























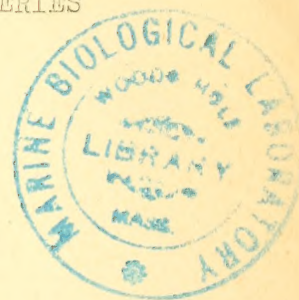


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Biology Branch, Fisheries Division



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Curr. Bibliogr. aquat. Sci. Fish., 2(6)

Rome, June 1959

Containing: taxonomic index 2(5), geographic index 2(5), references and  
author index to, 59-4501 - 59-5676

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[2.1(2)]





# Errata

Please correct authors:

584556	Shmal'gauzen, I.I.	to	Detlof, T.A.
4557	Pavlovskii, E.N.	"	Pavlov, P.I.
4558	"	"	Bekker, V.E.
4559	"	"	Geinrikh, A.K.
4560	"	"	Manuilova, E.F.
4561	"	"	Zhirmunski, A.V. & M.I. Kiseleva
4562	Grigoriev, A.A.	"	Klumov, S.K.
4563	"	"	"
4627	Pavlovskii, E.N.	"	Kiseleva, M.I.
4628	"	"	Kraiushkina, L.S.
4629	Shmal'gauzen, I.I.	"	Koloss, E.I.
4630	"	"	Kudinova-Pasternak, R.K.
4631	Pavlovskii, E.N.	"	Chukhchin, V.D.
(Alphabetic index vol. 1, to be corrected accordingly)			
59-1009	Shmal'gauzen, I.I.	"	Neifakh, A.A. & N.N. Rott
1011	"	"	Beliaeva, V.N. & G.L. Pokrovskaja
1012	Sukachev, V.N.	"	Delone, L.N.
1013	Shmal'gauzen, I.I.	"	Strelkovskii, V.I.
1014	"	"	Dabagian, N.V.
1015	"	"	Gunko, A.F.
1016	Grigorev, A.L.	"	Geinrikh, A.K.
1017	Shmal'gauzen, I.I.	"	Luferov, V.P.
1018	Oparin, A.I.	"	Kriss, A.E., A.S. Tikhonenko & V.I. Biriuzova
1019	Pavlovskii, E.N.	"	Iudanov, I.G.
1020	"	"	Monakov, A.V.
1090	Shmal'gauzen, I.I.	"	Lebkova, N.P.
1091	Shaposhnikov, V.N.	"	Sokolova, G.A. & Iu.I. Sorokin
1092	Grigorev, A.A.	"	Geinrikh, A.K.
1093	"	"	Semina, G.I.
1094	Shmal'gauzen, I.I.	"	Zelikman, E.A.
1095	Shaposhnikov, V.N.	"	Sorokin, Iu.I. & A.N. Meshkov
4236	Shuleikin, V.V.	"	Aleev, Iu.G.
4237	Pavlovskii, E.N.	"	Kiknadze, I.I.
4238	"	"	Pavlovskaja, R.M.
4239	"	"	Rudakov, N.P.
4240	Shmal'gauzen, I.I.	"	Detlaf, T.A.
4241	Pavlovskii, E.N.	"	Sadov, I.A.
4242	Shmal'gauzen, I.I.	"	Monakov, A.V.
4243	"	"	Poddubnaia, T.L.
4244	"	"	Nikitin, V.N.
4245	Pavlovskii, E.N.	"	Petipa, T.S.
4246	"	"	Manuilova, E.F.
4247	"	"	Nadezhin, V.M.
4248	"	"	Aleev, Iu.G.
4249	Shmal'gauzen, I.I.	"	Bekman, M.Iu.
4250	"	"	Konstantinov, A.S.
4251	Pavlovskii, E.N.	"	Rzhepishevskii, I.K.
4252	Shmal'gauzen, I.I.	"	Konstantinov, A.S.
4253	"	"	Mileikovskii, S.A.
4254	Pavlovskii, E.N.	"	Khlebovich, V.V.

Please correct date:

584556 to 584564	1957	to	1958
584627 " 584631	1957	"	1958
59-4236 to 59-4254	1958	"	1959

585710	unif effort	should read	unit effort
59-1094	<u>Euplausians</u>	" "	<u>Euphausians</u>
59-3362	planktonic	" "	plankton feeding
59-3381	Branchiura	" "	<u>Branchiura</u>
59-3470	M	" "	MF
59-3480	app.	" "	spp.
59-3491	1, 050	" "	1050
59-3509	<u>Mictopterus</u>	" "	<u>Micropterus</u>
59-3513	these	" "	those
59-3515	<u>Tubularia</u>	" "	<u>Tubularia</u>
59-3520	<u>Eucreto</u>	" "	<u>Eucrete</u>
59-3669	frields	" "	friends
59-3679	Polychaete	" "	polychaeta
59-3680	District	" "	district
59-3760	Plywood	" "	plywood
59-3772	angle	" "	angling
59-3785	siphomophore	" "	siphonophore
59-3806	occidentalis	" "	<u>occidentalis</u>
59-3832	week	" "	weed
59-3989	F	" "	MF
59-3990	F	" "	MF
59-4017	<u>Coranx</u>	" "	<u>Caranx</u>
59-4017	<u>Megalopsis</u>	" "	<u>Megalaspis</u>
59-4017	<u>Cynoglussus</u>	" "	<u>Cynoglossus</u>
59-4024	vogue	" "	vague
59-4102	<u>Argyrostomus</u>	" "	<u>Argyrosomus</u>
59-4112	sea of Japan	" "	Sea of Japan
59-4116	<u>Paratichthys</u>	" "	<u>Paralichthys</u>
59-4116	<u>Lamnida</u>	" "	<u>Lamnidae</u>
59-4116	<u>Rajida</u>	" "	<u>Rajidae</u>
59-4140	frond	" "	frond
59-4173	<u>Pleistophora</u>	" "	<u>Plistophora</u>
59-4271	& <u>grimaldi</u>	" "	<u>L. grimaldi</u>
59-4297	Bureau od	" "	Bureau of
59-4301	curing	" "	during
59-4305	<u>Sardina</u>	" "	<u>Sardinops</u>
59-4307	<u>Scophthalmus</u>	" "	<u>Scophthalmus</u>
59-4307	<u>Merangulus</u>	" "	<u>Merlangus</u>
59-4377	<u>Illes</u>	" "	<u>Illex</u>
59-4382	<u>Carcinas</u>	" "	<u>Carcinus</u>
59-4386	cyclopes	" "	<u>Cyclops</u>
59-4400	Basmines	" "	bosmines
59-4425	electric stock	" "	electric shock
59-4426	mass	" "	man
59-4445	Platosidae	" "	Plotosidae
59-4453	stucy	" "	study

59-4369 & 59-4470 insert F

59-1704 delete "Annotation to follow". Cancel numbers 59-2673 & 59-2943



Adde: Ca

Deacon, G.E.R. (1958) 59-1927  
Impact of Science on Society, 9:79-92  
The use of oceanography

A review of the application of oceanography in various fields & notes on future investigations needed for technical improvements in these fields (fisheries, extracting of chemicals from sea water, power from the sea, navigation, coastal engineering, waste disposal & effect of oceans on climate).

SJH:tl

M

Schellenberger, G. (1957) 59-2237  
Acta hydrophys., 4:71-91  
Temperaturregistrierungen im Eis des Müggelsees bei Berlin im Winter 1955-56 (Recording of temperature in ice of the lake Müggelsee by Berlin during the winter 1955-56)

Description of the seasonal & diurnal variations of temperature of the ice & water below it & computations on the growth of ice.

CLK:tl

F

Schmitz, H.P. (1957) 59-2131  
Acta hydrophys., 4:93-105  
Zur Ermittlung der Geschwindigkeit suspendierter Sinkstoffteilchen aus der des Wassers (Determination of the speed of suspended particles from the speed of the water)

Theoretical discussion on settling speed of suspended matter in the water.

CLK:tl

F

Sindermann, C.J. (1957) 580840  
Res.Bull., Maine, (27):30 p.  
Diseases of fishes of the western North Atlantic - V. Parasites as indicators of herring movements

Studies on Ichthyosporidium, Kudoa, cestodes, nematodes, & Brachyphallus, trematode, in mature & 0- & I-group herring suggest lack of intermixing of some herring populations in the gulf of Maine & the gulf of St. Lawrence.

:icnaf

M

Martin, W.R. & 580735  
G.J.W. Sullivan (1957)  
Circ.Atlant.biol.Sta.statist.Ser., (8): 10 p.  
1954 landings of Atlantic groundfish in Canada (excluding Newfoundland)

1954 landings of Atlantic groundfish in Canada, excluding Newfoundland, are reported by spp., by area of capture, month, gear, & fishing effort. 3 tables & 5 figures.

:icnaf

M



Hill, M.B. & J.E. Webb (1958) 585801  
Phil.Trans., 241B:319-33  
 The ecology of Lagos Lagoon - II.  
 The topography and physical features  
 of Lagos harbour and Lagos lagoon

The topography of Lagos harbour & the  
 system of lagoons & creeks associated  
 with it, is described. Measurements  
 of salinity in the harbour, in the  
 lagoon north of Lagos, & in a creek  
 connecting them, are analysed.

:wpa

MF

Hirsch, A. (1957) 59-2549  
Publ.Fish.Lab.N.Z.Mar.Dep., (36)  
 Biological aspects of water pollution  
 and water supply problems

Note presented to 6th annual meeting  
 of society, reviewing this subject.  
 (issued as: Proc.N.Z.ecol.Soc., 1957,  
 (5):6-7).

:sjh

F

Webb, J.E. (1958) 585804  
Phil.Trans., 241B:393-419  
 The ecology of Lagos Lagoon - V.  
 Some physical properties of lagoon  
 deposits

An investigation of the porosity &  
 composition of the different sand  
 fractions in the lagoons near Lagos  
 was carried out, to discover the ways  
 in which differences in composition of  
 natural sand deposits may limit the  
 distribution of burrowing animals.

:wpa

MF

Cunningham, D.T. (1957) 59-2550  
Publ.Fish.Lab.N.Z.Mar.Dep., (37)  
 Coastal dune lakes

Ecological study of western lakes of  
 N. Is., New Zealand, with  
 reference to fish - angling interest;  
 benthos & plankton. Rainbow & brown  
 trout stocking; predation by  
Phalacrocorax. (issued as: Proc.N.Z.  
 ecol.Soc., 1957(5):22-3).

:sjh

MF

Ageitos de Castellanos, Z.J. (1957) 580741  
Buenos Aires, 12 p.  
 Los Mitilidos argentinos (The  
 Mytilids of Argentina)

A synthesis of the mytilids  
 represented by 7 genera & 11 spp.;  
 synonymy, morphological characters &  
 distribution of the spp. are given.

hr

M

Suarez Caabro, J.A. (1958) 59-1912  
Marianao, Cuba, 9 p.  
 Estado actual de la pesca del  
 camaron en Cuba (The present  
 situation of the Cuban shrimp fishery)

A review of fishing methods & grounds  
 production & research of Cuban  
 Penaeids.

FiB:hr

M



Martin, W.R. & 580736  
G.J.F. Sullivan (1957)  
Circ. Atlant. biol. Stat. Ser., (9)  
1955 landings of Atlantic groundfish  
in Canada (excluding Newfoundland)

1955 landings of Atlantic groundfish  
in Canada, excluding Newfoundland,  
are reported by spp., by area of  
capture, month, gear & fishing effort.  
3 tables & 5 figures.

:icnaf

M

Smith, I.W. (1957) 584024  
Salm. Trout Mag., (150):148-9  
The occurrence of damaged sea trout  
on the east coast of Scotland

Brief note to place information on  
record with suggestions as to the  
cause of the wounds.

PiBrefa

F

Silva, A.D. (1957) 580839  
Publ. Gab. Estud. Pesca, (35):87 p.  
A pesca do bacalhau - Campana de 1955-  
1956 (The cod fishery - 1955-1956  
season)

Gives a complete picture of the  
Portuguese cod fishery in the NW  
Atlantic in 1955, with comparison on  
the one hand with previous years &  
on the other, with that of other  
nations. The tables incl. data on  
effort, landings & catch per unit  
effort. Certain chapters describe  
the background for the fishery; the  
organization of the fishing industry

Kanazawa, R.H. (1958) 59-1640  
Proc. U.S. nat. Mus., 108:219-67  
A revision of the eels of the genus  
Conger with descriptions of four new  
species

Redefines the genus & describes  
14 spp. with 2 sub-spp. The  
Leptocephalus larvae referred to the  
genus were excluded from the study.

HR:hr

M

580839  
(Card 2)  
& the marketing of the landed cod;  
other chapters deal with ICNAF & with  
the Portuguese work carried out  
within the frame of ICNAF. Special  
chapters deal with the development of  
the cod-fishing brought up to date &  
with plans for future development.

:icnaf

M

Webb, J.E. (1958) 585800  
Phil. Trans., 241B:307-18  
The ecology of Lagos Lagoon - I.  
The lagoons of the Guinea coast

The distribution of lagoons of the  
Guinea coast of West Africa is  
discussed in relation to various  
factors.

:wpa

MF

Forward References

Check list, 59-4501 - 59-5676

59-5166	to	59-5165
59-4774	"	582527
59-5171	"	59-5170
59-5165	"	584514
59-5178	"	581501
59-5191	"	59-1827
59-5164	"	59-5163
59-5172	"	59-1414
59-4847	"	583144





1,00	FISHES, GEN.	3380	3467	3471	1,17	(continued)		
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		3581	3582	3584		ACIPENSERIDAE	4300	4409
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		4257	4259	4270	1,18	Apogon		3811
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							3889 3897	3925 3946
							4050 4169	4171 4173
							4174 4185	
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	LAMNOIDEI			4361		Clupea sp.		3496
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	Hypoprion			3468		Engraulis ringens	3497	3961
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	Scyllium	3924		4307		Sardinella	3466	3905 4017
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	MYLIOBATIDAE			4361			3442 4330	
	Raja	3802		4307		Sardinops ocellata	3460	3983
	RAJIDAE		4116	4361			4229 4305	
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1,11	Narcine			3806		Cristivomer		1797 4195
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1,17	Acipenser	3685		3779		Oncorhynchus nerka	4080	4434
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						Oncorhynchus sp.	3953	4191
						Osmerus	3942	4198
						Salmo clarkii	3757	4374
						Salmo gairdnerii	3509	3884
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							4437 4438	4439 4481

## 1,23 (continued)

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		3995	4309	
	<i>Salmo trutta</i>	3743	3777	4170
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	<i>Salmo sp.</i>			3747
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1,27	<i>Notopterus</i>			3522
1,38	<i>Tytocharax</i>			4026
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1,40	<i>Abramis</i>	3367	3369	4258
	<i>Alburnus</i>			4424
	<i>Brachydanio</i>			4029
	<i>Campostoma</i>			4027
	<i>Carassius</i>			4424
	<i>Catla</i>			4000
	<i>Chondrostoma</i>			4424
	<i>Cirrhinus</i>	3483	3912	4000
	<i>Clinostomus</i>			4500
	<i>Cobitis</i>			4470
	<i>Ctenopharyngodon</i>		3481	3483
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	<i>Mystus</i>		3465	4018
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	<i>Rita</i>			4018
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	<i>Anguilla japonica</i>		4112	4337
	<i>Anguilla sp.</i>			4455
	<i>Conger</i>			3875
	<i>Leptocephalus</i>			4065
	<i>Muraenesox</i>			4116
1,47	BELONIDAE			4445
	EXOCOETIDAE			4445
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		3599	3600	3602 to
		3612	3705	to 3711
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1,50	<i>Gasterosteus</i>	3662	3904	4010
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Scomberomorus maculatus			3475
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Psenopsis			4116
1,77 Chasmichthys			4281
GOBIIDAE			4294
Cobionellus			4021
Hazeus			3766
KRAEMERIIDAE			4294
PERIOPHTHALMIDAE			4294
Quisquilius			3766
TAENIODIDAE			4294
1,78 Lepidotrigla			4116
Myoxocephalus			4271
Platycephalus		4102	4116
Sebastes	3513	3525	3540
	3970	4097	4330
1,79 Chelidonichthys			4115
1,80 Germa	4188	4282	4288
Katsuwonus	3939	3951	4209
Neothunnus	3939	4124	4125
	4336		4126
Parathunnus		4125	4126
THUNNIFORMES	3525	3642	3772
	3947	3955	3966
	3977	3978	3979
	4208	4210	4214
Thunnus thynnus			3934
1,81 Areliscus			4116
Cynoglossus		3469	4017
Glyptocephalus			4133
Hippoglossoides			4133
Limanda limanda	3525	3566	3567
	3568	3586	
Paralichthys			4116
Pleuronectes flesus	3525		3587
Pleuronectes platessa	3525		3539
	3561	to	3565
Scophthalmus			4307
Solea		3571	4017
1,82 Balistes			4174
Rudarius			4315
Stephanolepis			4315
Triacanthus			4017

1,93	Opsanus		3723	3553	2,10	(continued)		
1,95	Antennarius			4020		LERNAEIDAE		4477
	Lophius		3343	3277		LERNAEPOPODIDAE		4477
1,99	FISHES, MISC.	3377	3270	3343		Lernaeocera		3482
	3401	3402	3430	3413		Limnocalanus		4271
	3446	3463	3437	3504		Mytilicola	3525	3656
	3505	3511	3512	3515		Nitocra		3692
	3519	3525	3542	3543		Parathalestria		3692
	3572	3573	3574	3585		Rhincalanus		3499
	3588	3664	3666	3700		SPHYRIIDAE		4477
	3702	3703	3704	3707		Vanbenedenia		4471
	3708	3712	3713	3723	2,12	CIRRIPIEDIA		3740
	3729	3732	3830	3807				
	3912	3914	3916	3927	2,13	Lepas		4428
	3938	3944	3943	3954		Mitella		4428
	4014	4015	4016	4043		THORACICA		4134
	4063	4069	4036	4033				
	4190	4199	4200	4215	2,16	Sacculina		4156
	4220	4227	4263	4266				
	4268	4287	4283	4310	2,20	MYSIDAE		4177
	4321	4359	4391	4393		Mysis		3735
	4402	4403	4426	4430		Paramysis		3430
	4452	4462	4472	4480				
	4482	4496			2,22	TANAIDACEA		4295
2,00	CRUSTACEANS, GEN.		3330	3400	2,23	Cyathura	3836	4232
	3467	3471	3523	3556		Idotea	4384	4434
	to	3559	3581	3592		Limnoria		3361
	3583	3763	3773	4040		Mesidotea	3411	4271
	4060	4079	4133	4250				
	4270	4379	4385	4387	2,24	AMPHIPODA		3419
	4395	4406	4497			Gammaracanthus		4271
						Pallasea		4271
2,02	Artemia			4234		Pontoporeia	3735	4271
	Streptocephalus			3350				
2,05	Bosmina			4400	2,25	ALPHEIDAE		3901
	Daphnia			4479		Alpheus	3520	3524
						Anchistus		3520
2,08	Cypridina	3726	3811	3917		Crangon	3525	3680
						Leander		3520
2,09	COPEPODA		3443	4529		NATANTIA	3518	3714
							4044	4218
2,10	Amphiascus			3992			4222	4296
	ARGULIDAE			4477		Palaemonetes	3840	3841
	Calanus			4075		Penaeus		3521
	CALIGIDAE			4477		PENAEIDAE		3770
	Cardiodectes			4216	2,29	Astacoides		3509
	CHONDRACANTHIDAE			4377		Astacus		4431
	Congericola			3475		Calcinus		3403
	DICHELESTIIDAE			4177		Callinectes		3941
	ERGASILIDAE			4477		Cambarellus		4391
	Heterolaophonte			3992		Cancer	3938	4131
	Laophonte			3092		Carcinus	4158	4382
						Chlorodiella		3520



2 29 (continued)

Cycloxanthops				4414
Eriocheir				4055
Eucrete				3520
Gecarcinus				3784
Geniopsis				3784
Homarus	3800	3307	3946	4261
	4265			
Hydrotelphusa				3509
Jasus		3988		4296
Libinia				3858
Maja				4382
Menippe				3520
PALINURIDAE				4217
Palinurus				4471
Panulirus				3523
Pilumnus				3520
Pinnotheres				3520
Pisa				4382
PORCELLANIDAE				4476
Telphusa				3509
Tetralia				4441
Uca	3789	3832	3869	3870
	3871			
Upogebia				4471

2,99	CRUSTACEANS, MISC.	3378	3393	
		3401	3402	3436
		3446	3487	3501
		3649	3700	3702
		3704	3712	3713
		3927	3944	4015
		4068	4069	4086
		4215	4221	4227
		4263	4266	4268
		4402	4403	4427
		4482	4496	4480

3,00	MOLLUSCS, GEN.	3380	3400	3467
		3471	3525	3556
		3559	3581	3582
		3763	3778	4060
		4183	4259	4270
		4385	4387	4395
		4497		4406

3,07	Nassarius			3814
	Trochus			3410

3,09	Busycon			4038
	Conus			3900
	Fasciola			4444
	Ilyanassa	3826		3833
	Rapana			4339
	Thais			4339

3,09 (continued)

Tritonalia				4339
Urosalpinx				3667

3,10	Firoloida			3500
	Littorina			4377
	Pterotrachea			3500
	Strombus			4038

3,11	Aplysia	3404	3422	3474
	LIMAPONTIIDAE			3765
				3447

3,13	Limnaea			4444
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3,15	PLELECYPODA		3756	3940
				4182

3,16	Crassostrea	3488	3791	3894
		3935	4175	4377
	Gryphaea			3525
	Mytilus	3397	3525	3654
			3656	4360
	Ostrea	3397	3525	3596
			3652	3653
			4012	4175
			4207	4204
				4205

PECTINIDAE			3917	4172
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Pinctada	3908	3911	3968	4002
	4269	4322	4325	

Placopecten				4377
Pteria			3906	4117

3,17	Cardium			3437
	Mactra			3815
	Meretrix			4329
	Mya		4066	4377
	Spisula	3797	3799	3849
		3878	4377	3859

Tapes				4329
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Teredo				3738
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Venus			4292	4377
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3,19	CEPHALOPODA			3480
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3,21	Abralia			3480
	DIDRANCHIA	3440	3804	3820
	Illex			4377
	Loligo	3516	4156	4306
	Octopus			3382
	Selenoteuthis			4156
	Sepia			3480
				4307

3,99	MOLLUSCS, MISC.		3393	3402
		3436	3439	3446
		3489	3501	3525
		3703	3704	3712
				3713

3,99	MOLLUSCS, MISC. (continued)					3,99	Hydrophis		3401
	3722	3927	4015	4069					
	4086	4215	4261	4268		5,49	REPTILES, MISC.	4359	4458
	4272	4288	4402	4403					
	4480	4482	4496			5,50	BIRDS, GEN.		3380
4,00	MAMMALS, GEN.			3380		5,62	SULIDAE		3681
4,06	Callorhinus			3958		5,64	Olor		4489
	Hydrurga			3928		5,93	POGONOPHORA	3691	4475
	Lobodon	3435		3928					
	Mirounga			3928		5,96	Amaroucium	3810	3861
	Ommatophoca			3928			ASCIDIACEA		3687
	Phoca			4271			Botryllus	3686	3810
	PINNIPEDIA	3959		4390			Ciona	3810	4011
	Zalophus	4213		4271			Molgula		3810
							Perophora		3810
4,16	Ondatra			3370					
4,21	CETACEA	3907	3909	3930	to	5,97	Cyclosalpa		3472
		3933	3964	4389			Doliolina		3472
							Doliopsoides		3472
4,22	Delphinus			3490		5,98	CHORDATA, GEN.		3380
	Inia			3881					
	Mesoplodon			4326		6,00	PROTOZOA		3928
	Neomeris			3490					
	Physeter			3733		6,03	Tetrahymena		3846
4,23	Balaenoptera physalus	3490		4433		6,06	Eimeria		4173
	4453						Myxolobus		4173
4,97	MAMMALS, AQUATIC			4359		6,07	Nosema		4173
							Plistophora		4173
5,00	AMPHIBIANS, GEN.		3380	4421		6,11	Blepharisma		4034
5,05	Ambystoma			4039			Paramaecium		3405
	Desmognathus			4036					4034
	Proteus	3692		3693		6,15	SPONGIIDAE		3385
	Triturus			4036					
5,07	SALIENTA			3892		6,16	COELENTERATA		4043
5,12	Rana			4155		6,17	Cladonema	3407	3431
							Cordylophora		3700
5,29	AMPHIBIANS, MISC.	4359		4458			Craspedacusta		4419
							Hydra	3412	3515
							Octophialucium		4471
5,30	REPTILES, GEN.			3380			Physalia	3785	3316
							Tubularia	3515	3873
5,31	Caretta			3477					
	Chelonia			3477		6,18	Cyanea		3684
	Chrysemys			4019					
	Clemmys			4032		6,19	Amphelia		4471
	Eretmochelys			3477			Anthelia		4471
	Lepidochelys			3477			ANTHOZOA		4412

6,19	(continued)			6,00	INSECTA	3504	3505	3604	4183
	CORALIIDAE		4154						
	Lophelia		4471	6,70	CORIXIDAE				4153
	Stoichactis		4035	6,77	Aedes				4042
6,21	Mnemiopsis		3812	6,80	ECHINODERMATA				3501
6,24	Cura		4033	6,81	Asterias		3831	3555	
6,26	Gyrodactylus		4159		Asterina				4372
6,27	DIGENA	3470	4455		ASTEROIDEA		3878	4205	
	Gymnophallus		3738		Pisaster				4372
	Opisthorchis		4250	6,82	Amphiura				4471
	Parvatrema		3738	6,83	Arbacia	3796	3813	3818	3519
	Schistosoma		4150			3823	3837	3838	3530
6,30	Dibothriocephalus		3893			3844	3848	3850	3852
6,33	Ascaris		3898			3862	3863	3879	4122
	ERMITHIDAE		3373		Echinarachnius				3801
	Procamallanus		3774		ECHINOIDEA				3424
6,37	ROTATORIA		3928		Paracentrotus				3922
6,40	BRYOZOA		4415		Strongylocentrotus				4471
6,42	Membranipora		3630	6,84	Holothuria				3392
6,44	Phoronis		3891	6,87	INVERTEBRATES, AQUATIC				3400
6,45	CHAETOGNATHA		3495			3467	3471	3501	3525
	Eukrohnia		3461			3556	to	3559	3581
	Krohnitta		3461			3582	3583	3763	3778
	Pterosagitta		3461			3822	4060	4079	4183
	Sagitta	3461	3498			4255	4259	4385	4387
6,48	POLYCHAETA		3734	3792	6,88	INVERTEBRATES, GEN.		3685	4040
6,49	Nereis		3845	4474	6,89	INVERTEBRATES, MISC.		3372	3393
	Palola		3902				3439	3682	
	Platynereis		4474	7,00	ALGAE, GEN.		3400	3418	3467
6,50	Chaetopterus		3845	3860			3471	3525	3556
	Cistenides			3874			3593	4063	4073
	Heteromastus			3780			4079	4183	4292
	Hydroides	3795	3834	3836	7,01	CHLOROPHYCEAE			4314
	Sabella		3515	3921	7,06	Ulva			3492
	Scyphoproctus			3707	7,11	Acrosiphonia			4161
6,51	Branchiura			3381		Spongomorpha			4161
6,52	Phascolosoma		3824	3868	7,17	Codium			4046
	Urechis			3782		Vaucheria			3825
6,56	Limulus		3728	3821					



7,41	BACILLARIOPHYCEAE	3390	3787	4038	3,99	HIGHER PLANTS, MISC.	3368
7,63	Exuviella			4072			
7,66	Gonyaulax			4057			
7,67	Ceratium			4075			
	Peridinium			4071			
7,70	Euglena			4320			
7,71	PHAEOPHYCEAE			4314			
7,77	Laminaria	3492	3882	4076			
	Undaria			4335			
7,80	Fucus		3327	4093			
	Sargassum			3492			
	Turbinaria			3492			
7,81	RHODOPHYCEAE		3502	4314			
7,82	Porphyra	3492	4140	4517			
7,87	Hypnea			3492			
7,89	Gulsonia			3764			
7,91	MYXOPHYCEAE			3670			
7,95	Nostoc			3492			
7,99	ALGAE, MISC.	3364	3384	3391			
		3392	3396	3502	4070		
8,00	FUNGI, GEN.			4406			
8,01	Bacillus			4162			
	BACTERIA	3408	3688	4058	4411		
		4427					
	Micrococcus			4162			
	Pseudomonas		4165	4419			
	Vibrio			3749			
8,37	SAPROLEGINALES			3444			
8,93	Chloromyxum			4173			
8,99	FUNGI, MISC.		3476	3667			
9,18	Equisetum			4293			
9,44	Eichhornia			4383			
9,97	HIGHER PLANTS, AQUATIC	3364	3391				
		3392	4432				



431	Burma			3680	541	Portugal			4442
434	Indonesia	3916	3919	3975	542	Spain		3449	4452
435	New Guinea			4364	543	Italy	3396	3397	3408
438	Vietnam			3403			4069	4423	4479
441	Chinese People's Republic				555	Romania	3365	to	3370
			4223	4361	556	Turkey			4425
442	Hong Kong	3482	to	3492	561	Germany	3584	3590	4068
		3769			561	Federal Republic of Germany			4491
451	Japan	3418	3419	3431			3432	3543	3573
		3964	3979	4046			3604	3606	3608
		4115	4137	4138			3616	3619	to
		4224	4276	to			3635	3637	3995
		4287	4316	4319	572	Poland		3580	3611
		4322	4326	4332	573	Czechoslovakia			4446
		4339		4337	574	Hungary			4385
453	Formosa		4462	4463					
				4464					
500	EUROPE			4271	600	OCEANIA			
				4470					
511	Denmark	3562	3570	3576	610	<u>Australia</u>	3518	3907	3908
		to	3588	3600			3909	3911	3920
		3776	4174	4221			3966	3988	4217
512	Faroe Is.		3599	3617	612	Western Australia	4268	4269	4289
513	Iceland	3532	3539	3540	615	New S. Wales			3968
		3606	3613	3614	617	Tasmania			3770
		3625	3626	3627	620	<u>New Guinea Trust Territory</u>			3967
514	Norway	3609	3610	3615				3910	4364
		3624	3699	3702	621	N.E. New Guinea			4364
		3706	3714	3715	630	<u>New Zealand</u>		3679	3763
		3964	4050	4073	650	<u>Line Is.</u>			4208
		4174	4227	4396	660	<u>USA (Hawaian Is.)</u>		3662	3766
515	Svarlbard			3707			3900	3901	4209
515	Bear I.			3712	673	Caroline Is.			4125
515	Jan Meyen			3710	674	Marshall Is.			4125
516	Sweden	3555	3574	3579	682	New Caledonia			4454
		4378		4228	684	Fiji Is.			3973
517	Finland	4050	4055	4397					
		4399		4398	700	USSR	3727	3740	3926
521	Netherlands						3964	3985	3959
		3402	3639	3650					
		3652	3653	3655	710	<u>Russian FSSR</u>	3392	3612	3732
		3930	3931	3964			3735	3742	4255
522	Belgium			3640	751	Ukrainian SSR			3372
524	France	3430	3596	3597	772	Uzbek SSR			3456
		3889	3974	4232					
532	UK			3557	800	SPECIAL INTERCONTINENTAL			
533	England	3374	3561	3571		REGIONAL GROUPINGS			
		3607	3636	3651					
		3964	4159	4369	817	Tropics			3361
		4467			820	<u>Antarctic Continent</u>			3932
533	Wales			3453					
534	Scotland	3538	3541	3542	A	ATLANTIC OCEAN	3512	4283	4389
		3549	3556	3572					
		3618	3632	3633	A	<u>Atlantic, N.</u>	3433	3527	3528
		4167	4170	4172			3532	3533	3534
535	Northern Ireland		3991	to			3538	3540	to
		3994							3543



A	Atlantic, N. (cont'd)	3598	IN.02	Sea of Okhotsk	3388	3390
	3613 3614 3630	3729	IN.03	Bering Sea	4077 4078	4079
	3888 3920 3947	3948	IS	<u>Tropical Indopacific</u>	3720	3773
	3969 4171 4202	4495		3960 4188	4225	
ANW	Atlantic, N.W.	4085 4183 4260	ISW	Indian Ocean	3385 4124	4283
	4308			4288 4294	4336	4408
ANW.02	Davis Strait	3537	ISW.06	B. of Bengal	3980	4003
ANW.04	G. of St. Lawrence	3925 4295	ISEW	Indopacific, Central	4210	4288
ANW.06	Chesapeake B.	3941 3950 4204		4499		
	4206 4489		ISEW.04	E. China Sea		4102
ANE	Atlantic, N.E.	3437 3544 3545	ISEW.05	Yellow Sea		4102
	3548 3549 3553	3554	ISEW.14	Arafura Sea		4364
ANE.01	White Sea	3439 3734 3737	ISE	Pacific, S.E.	3951	3952
ANE.02	Barents Sea	3529 3708 3709	P	POLAR SEAS		
	3737					
ANE.04	North Sea	3512 3547 3550	PN	<u>Arctic Ocean</u>	4411	4468
	3551 3552 3560	3566	PS	<u>Southern Ocean</u>	3733	4405
	3618 3619 3622	3631	PSE.01	Great Australian Bight		4266
	to 3642 3671	3697				
	to 3700 3711	4168	L	INLAND SEAS AND INTERTERRITORIAL LAKE SYSTEMS		
	4498					
ANE.05	Baltic Sea	3378 3514 3555	L.21	<u>American Great Lakes</u>	3774	3942
	3575 to 3590	3611		3943 3957	4195	4197
	3612 3643 to	3646		to 4200		
	3899 4087 4089		L.72	<u>Caspian Sea</u>	3391	3731
ANE.07	G. of Finland	4088	L.75	<u>L. Baikal</u>		3728
ANE.09	Irish Sea	3546				
ANE.10	Norwegian Sea	3530 3531 3629				
AS	<u>Atlantic, S.</u>	3933				
ASW	Atlantic, S.W.	3480 4085 4366				
	4390					
ASW.01	G. of Mexico	3944 4270				
ASW.02	Caribbean Sea	3479				
ASE	Atlantic, S.E.	3591 to 3594				
	4231					
ASE.02	Mediterranean Sea	3738 4231				
	4384 4465					
ASE.03	Mediterranean Sea, Western	4381 4480				
ASE.04	Thyrranian Sea	4478				
ASE.05	Mediterranean Sea, Eastern	4059				
	4062 4381 4480	4482				
ASE.10	Black Sea	3362 3448 3738				
	4058 4407					
ASE.11	Sea of Azov	3362				
I	INDOPACIFIC OCEAN	3470 3472				
	4283					
IN	Pacific, N.	3398 3399 3400				
	3958 4080 4101	4139				
	4157 4188 4224	4282				
	4288 4298					
IN.01	Japan Sea	3442 4045 4079				
	4113 4127 4128					



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Yearly production - quantities & values - by spp., region, type of craft & gear, type of product; inventory & operations of equipment; employment, processing, trade, bounties paid.

FAO:sjh

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New information concerning the reproduction of far-eastern pinnipeds

Chapsky, K.K. (1958) 59-4506  
Transl.Ser.Fish.Res.Bd Can., (174):1-26  
Contribution to the problem of the history of development of the Caspian and Baikal seals



Flyger, V.F. (1958) 59-4507  
J.Wildl.Mgmt, 22:442-3  
Tooth impressions as an aid in the  
determination of age in deer

G

Kawamoto, N.Y. (1958) 59-4510  
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):104-21  
Fresh water fish culture from the  
physiological point of view - I.

F

Rass, T.S. (1957) 59-4508  
Transl.Ser.Fish.Res.Bd Can., (143):1-14  
New fishing areas and new species for  
the fishing industry in far-eastern  
seas

M

Cole, G.A. (1957) 59-4511  
Trans.Ky Acad.Sci., 18(4):88-101  
Studies on a Kentucky knobs lake - III.  
Some qualitative aspects of the net  
plankton

F

Pikharev, G.A. (1957) 59-4509  
Transl.Ser.Fish.Res.Bd Can., (150):1-3  
The food of the seal Phoca hispida

M

Berry, F.H. (1958) 59-4512  
J.Fla Acad.Sci., 21(2) 190-1  
Additions to the fishes of Cedar Key,  
Florida and a list of Gulf of Mexico  
Carangidae

M

Van Alten, P.J. & 59-4513  
 R.A. Fennell (1957)  
Anat.Rec., 127(4):677-96  
 Histogenesis and histochemistry of the  
 digestive tract of chick embryos

G

Oliva, O. (1958) 59-4516  
Acta Univ. Carolinae, Biol., 5(1):33-48  
Některé zkušenosti se znacením a  
znakováním ryb (Some results  
 with fish marking). En Ru Cs

MF

Das, S.M. & 59-4514  
 D.B. Saxena (1958)  
Proc.nat.Acad.Sci.India, 28B(11):108-15  
 Stages of transition in the afferent  
 branchial arteries from fish to  
 amphibian stage: a case of parallel  
 evolution

F

Gelineo, S. (1957) 59-4517  
C.R.Soc.Biol., Paris, 151(6):1239  
Activité spontanée des poissons de mer  
et consommation d'oxygène à la  
température d'adaptation de 12°5C  
 (Spontaneous activity in sea fishes  
 and oxygen consumption at the  
 temperature of 12°5C)

M

Oliva, O. (1958) 59-4515  
Mém.Soc.zool.tchécosl., 22(2):111-2  
 (On the sea lamprey (Petromyzon  
marinus L.) from the river Elbe near  
 of Decin). Cs

MF

Hasler, A.D. & 59-4518  
 W.J. Wisby (1958)  
Wis.Conserv.Bull., 23(3):1-5  
 Perch and lake research on Mendota

F

Mitani, F. (1958) 59-4519  
Jap.J.Ecol., 8(1):7-11  
 Studies on the maturity and spawning  
 of the yellow tail, Seriola quinque-  
radiata T. & S., found in the Japanese  
 waters and their adjacent regions - I.  
 Bilateral asymmetry of gonad and  
 maturity grade

M

Anonymous (1958) 59-4522  
Dep.sci.industr.Research, no. 2:1-4  
 Notes on water pollution

MF

Anonymous (1958) 59-4520  
Ont.Dep.Lands Forests, Fish & Wildl.  
Div., mimeo, 7 p.  
 Lake trout statistics for Canadian  
 waters of Lake Superior and Georgian  
 Bay

F

Hart, J.L. (1958) 59-4523  
Ottawa, 35 p.  
Fisheries Research Board of Canada  
Biological Station, St. Andrews, N.B.  
 1908-1958 - Fifty years of research  
 in aquatic biology

History of the laboratory, brief  
 account of the research conducted  
 there.

CLK:sjh

MF

Yamamoto, K. (1957) 59-4521  
J.Fac.Sci.Hokkaido Univ., (Zool.),  
 13(1-4):344-51  
 Studies on the formation of fish eggs -  
 XI. The formation of a continuous mass  
 of yolk and the chemical nature of  
 lipids contained in it in the oocyte  
 of the flounder, Liopsetta obscura

M

Pfitzer, D.W. (1958) 59-4524  
Reservoir Committee, Southern Div.,  
Am.Fish.Soc., 1-23  
 Reservoir and tailwater bibliography  
 with special reference to the South-  
 eastern United States

F



Renn, C.E. (1957) 59-4527  
Publ.nat.Acad.Sci., Washington D.C.,  
(551):26-7

Physical and chemical properties of  
wastes produced by atomic power  
industry

Contents as per title.

FiB:tl

G

Wooster, W.S. & 59-4528  
B.H. Ketchum (1957)

Publ.nat.Acad.Sci., Washington, D.C.,  
(551):43-51

Transport and dispersal of radioactive  
elements in the sea

Summary description of the surface &  
deep-sea circulations, exchange  
between the surface intermediate &  
deep waters & exchange between the  
coastal & offshore waters.

FiB:tl

M

Folsom, T.R. & 59-4526  
J.H. Harley (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):28-33

Comparison of some natural radiations  
received by selected organisms

Quantitative consideration of natural  
radiation received by organisms from  
cosmic rays, external sources - rocks,  
water, etc. - & internal sources - e.g.  
potassium in tones-; comparison of  
natural doses in several domains.

FiB:tl

HF

Ketchum, B.H. (1957) 59-4529  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):52-9

The effects of the ecological system  
on the transport of elements in the  
sea

Summary on distribution of the  
biomasses of marine populations,  
biological annual cycles &  
migrations of populations. Emphasis  
on the cycles of nutrient elements  
in the sea.

FiB:tl

M

Craig, H. (1957) 59-4527  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):34-42

Disposal of radioactive wastes in the  
ocean: the fission product spectrum in  
the sea as a function of time and  
mixing characteristics

Attempt to construct a detailed  
quantitative picture of the fission  
product spectrum in the ocean in steady  
state with a given fission rate with  
special consideration of the  
distribution of fission products  
between the deep sea & the mixed layer.

FiB:tl

M

Carritt, D.E. & 59-4530  
J.H. Harley (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):60-8

Precipitation of fission product  
elements on the ocean bottom by  
physical, chemical and biological  
processes

Discussion of sedimentation & geo-  
chemical processes in sea water & in  
sediments, & the extent to which these  
processes affect the removal of  
activity to the bottom.

FiB:tl

M

Krumholz, L.A., E.D. Goldberg 59-4531  
& H. Boroughs (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):69-79

Ecological factors involved in the uptake, accumulation, and loss of radionuclides by aquatic organisms

Summary on physical & chemical environmental factors in the sea; metabolic processes in organisms & the influence of environmental & biological processes on metabolism; aspects of accumulation of radionuclides through the ecosystem.

FiB:tl

M

Craig, H. (1957) 59-4534  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):103-20

Isotopic tracer techniques for measurement of physical processes in the sea and the atmosphere

Distribution of naturally occurring radioactive isotopes, contribution of radioisotopes to the geosphere by man & discussion of the possible use of radioisotopes in tracer techniques to study of physical processes in the sea & atmosphere.

FiB:tl

M

Krumholz, L.A. & 59-4532  
R.F. Foster (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):88-95

Accumulation and retention of radioactivity from fission products and other radiomaterials by fresh-water organisms

General concept of concentration factors of elements, concentrations of radioactive elements in different organisms & their variations with season, age & growth.

FiB:tl

F

Folsom, T.R. & 59-4535  
A.C. Vine (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):121-32

On the tagging of water masses for the study of physical processes in the oceans

Description of the hazards & difficulties involved in the deliberate tagging of ocean waters by radioactive substances & outline for several possible investigation procedures.

FiB:tl

M

Donaldson, L.R. & 59-4533  
R.F. Foster (1957)  
Publ.nat.Acad.Sci., Washington, D.C.,  
(551):96-102

Effects of radiation on aquatic organisms

Description of somatic & somatogenic effects of ionizing radiation on various aquatic organisms used in the experiments.

FiB:tl

MF

Holm-Hansen, O. & al. (1959) 59-4536  
J.exp.Bot., 10(28):109-24  
Effects of mineral salts on short-term incorporation of carbon dioxide in Chlorella

The effects of various mineral salts have been studied, both singly & in combination, on the uptake & distribution of photosynthetically incorporated carbon-14 in Chlorella.

FAO:ohh

F

Bieri, R. (1959) 59-4537  
Limnol.Oceanogr., 4(1):1-28  
The distribution of the planktonic  
Chaetognatha in the Pacific and their  
relationship to the water masses

The geographic extents of 27 spp. of  
Chaetognatha in the Pacific have been  
inferred from analyses of 2,900  
plankton samples taken at more than  
900 stations, & their distribution  
in relation to various water masses  
is discussed.

HR:rb

M

Grandall, C.A. & 59-4540  
C.J. Goodnight (1959)  
Limnol.Oceanogr., 4(1):53-6  
The effect of various factors on the  
toxicity of sodium pentachlorophenate  
to fish

Determination of medium tolerance  
limit & study of the effects of pH &  
temperature on the toxicity of sodium  
pentachlorophenate on fat head  
minnow, Pimephales promelas.

HR:tl

F

Farris, D.A. (1959) 59-4543  
Limnol.Oceanogr., 4(1):29-36  
A change in the early growth rates of  
four larval marine fishes

The growth curves - age on length -  
of 4 widely diversified spp. of fish  
larvae, Sardinops caerulea, Pleuro-  
nichthys verticalis, Tetragonurus  
cuvieri, & Trachurus symmetricus, were  
analysed. The effect of non-  
logarithmic growth on estimates of  
larval survival is discussed.

HR:daf

M

Lund, J.W.G. (1959) 59-4541  
Limnol.Oceanogr., 4(1):57-65  
A simple counting chamber for  
nannoplankton

Description of the counting chamber,  
its use & accuracy.

HR:tl

F

Comita, G.W. & 59-4539  
G.C. Anderson (1959)  
Limnol.Oceanogr., 4(1):37-52  
The seasonal development of a  
population of Diaptomus ashlandi Marsh,  
and related phytoplankton cycles in  
lake Washington

Description of physical, chemical  
conditions & phytoplankton cycle in the  
lake, & detailed study of the life  
history & seasonal cycle of the  
copepod Diaptomus ashlandi.

HR:tl

F

Curl, H., Jr. (1959) 59-4542  
Limnol.Oceanogr., 4(1):66-76  
The origin and distribution of  
phosphorus in western lake Erie

Study of the supply of phosphorus  
by river waters, its distribution in  
the lake; bio- & geochemical processes  
affecting the phosphorus cycle &  
amounts of phosphorus removed as fish.

HR:tl

F



Bardach, J.E. (1959) 59-4543  
Limnol.Oceanogr., 4(1):77-85  
The summer standing crop of fish on a shallow Bermuda reef

Estimation of the standing crop of reef fishes by visual counts; taxonomic lists of spp. found, their approximate size & quantities. Estimates of the productivity of the reef.

HR:tl

Tyler, J.E. (1959) 59-4546  
Limnol.Oceanogr., 4(1):102-5  
Natural water as a monochromator

Analyses of the errors introduced into the measured optical constants of natural water by light "leakage" outside the stated band of filters. Methods for avoiding this error are suggested.

HR:tl

MF

Murphy, G.I. (1959) 59-4544  
Limnol.Oceanogr., 4(1):86-93  
Effect of water clarity on albacore catches

Determination of the relations between the catches of albacore, Germo alalunga, with gill-nets & troll, & the extinction coefficient of light in the water. Discussion on the turbidity as an ecological factor for sight feeders.

HR tl

Kuehn, J.H. & D.Lovelien (1959) 59-4547  
Conserv.Bull.Minn., 22(128):23-8  
A map starts fish management

A popular account of how & why bathymetric maps of Minnesota lakes are made using a fathometer.

WAD:wad

F

Dietz, R.S. (1959) 59-4545  
Limnol.Oceanogr., 4(1):94-101  
1100-meter dive in the bathyscaph TRIESTE

Description of the dive in Mediterranean & observations made during this dive.

HR:tl

Dobie, J. (1959) 59-4548  
Conserv.Bull.Minn., 22(128):34-6  
The bait business for fishing

A popular article on the bait "minnow" industry in Minnesota.

WAD:wad

F

Webb, F.E. (1959) 59-4549  
Canad. Fish Cult., (24):3-16  
Aerial chemical control of forest  
insects with reference to the Canadian  
situation

A review of the question which  
discusses methods, effects on the pests,  
associated insect populations, the  
forest, fish & wildlife.

WAD:wad

F

Alderdice, D.F. & 59-4552  
M.E. Worthington (1959)  
Canad. Fish Cult., (24):41-8  
Toxicity of a DDT forest spray to  
young salmon

Summarizes a series of laboratory  
tests to determine the tolerance of a  
"representative species" of Pacific  
salmon, Oncorhynchus kisutch, to a  
DDT formulation.

WAD:wad

MF

Keenleyside, M.H.A. (1959) 59-4550  
Canad. Fish Cult., (24):17-22  
Effects of spruce budworm control on  
salmon and other fishes in New  
Brunswick

Discusses the effect of DDT sprays  
since 1952 on Salmo salar, Salvelinus  
fontinalis, Anguilla, & Cyprinids.

WAD:wad

MF

Seabloom, R.W. (1958) 59-4553  
Spec. sci. Rep. U.S. Fish Wildl. Serv.,  
(268):35 p.  
Water quality studies in the Wenatchee  
river basin

Describes methods & results of a  
study made during 1954-56 of the  
physical & chemical characteristics of  
water in relation to environment to  
provide a basis for comparison to  
determine the effect of impoundment  
on water quality & an evaluation of  
the basin in relation to the  
preservation of fish resources.

WAD:wad

F

Crouter, R.A. & 59-4551  
E.H. Vernon (1959)  
Canad. Fish Cult., (24):23-40  
Effects of black-headed budworm control  
on salmon and trout in British Columbia

Describes an aerial spraying program  
with DDT, consequent damage to fish,  
Oncorhynchus & Salmo, & fish food  
populations, & results of bioassays to  
determine safe formulations of the  
spray for O. kisutch under-yearlings.

WAD:wad

MF

Gelineo, St. (1958) 59-4554  
Inst. Physiol. Faculté Sciences, Univ.  
Belgrade, 10-6  
Activité des poissons de mer et  
concentration d'hémoglobine  
(Activity of sea fishes and hemoglobin  
concentration)

F

U.S. Department of Agriculture 59-4555  
 Agricultural Research Service (1959)  
Agric. Handb., Wash., (116):244 p.  
 1958-59 - Workers in subjects  
 pertaining to agriculture in land-grant  
 colleges and experiment stations

Incl. names of workers on inland  
 fisheries & related fields, but not  
 thus classified. Lists by state,  
 department within college, &  
 alphabetical order of workers' names.

FiB:sjh

F

Friant, M. (1957) 59-4558  
C.R. Acad. Sci., Paris, 244:236-8  
 Un cerveau de foetus de Rorqual  
 (Balaenoptera musculus L.)  
 (A brain of a foetal Rorqual,  
Balaenoptera musculus L.)

Account of general anatomic  
 features.

FAO:glk

M

Germain, L. (1957) 59-4556  
P. Lechevalier, Paris, 549 p.  
 La faune des lacs, des étangs et des  
 marais de l'Europe occidentale  
 (The fauna of lakes, ponds and swamps  
 of Western Europe)

A reference book containing introductory  
 chapters on physical & biological  
 limnology, & breeding & preservation of  
 fresh water animals, followed by  
 descriptions & notes on the biology of  
 aquatic invertebrates, incl. crustaceans  
 & molluscs, & vertebrates in general;  
 fishes, amphibians, reptiles, birds, &

Molinier, R. & 59-4559  
 J. Picard (1957)  
C.R. Acad. Sci., Paris, 244:674-5  
 Un nouveau type de plate-forme  
 organogène dans l'étage mésolittoral  
 sur les côtes de l'île de Majorque  
 (Baléares) (A new type of organo-  
 genic platform in the mesolittoral  
 stage on the coast of the island of  
 Majorca, Balearic)

Description of the formative  
 communities & discussion of the  
 processes.

FAO:glk

M

59-4556  
 (Card 2)  
 mammals. Reference to algae & aquatic  
 plants is also made. (2nd revised ed.)

FAO:hr

HF

Priou, M.-L. (1957) 59-4560  
C.R. Acad. Sci., Paris, 244:939-40  
 Sur des formations argentophiles  
 membranaires chez quelques Rhodo-  
 phycées marines (On some  
 membranous argentophil formations in  
 some marine Rhodophyceae)

A technique of silver impregnation  
 shows in some of these organisms  
 constant argentophil intercellular  
 membranous zones.

FAO:glk

M



Saint-Guily, B. (1957) 59-4561  
C.R.Acad.Sci., Paris, 244:1528-9  
 Les mouvements radiaux de Hamel  
 lorsqu'il existe une force de Coriolis  
 et la structure de certains courants  
 océaniques (Hamel's radial  
 movements in the presence of Corioli's  
 force and the structure of certain  
 oceanic currents)

These movements exist in the presence  
 of a Corioli force of constant parameter  
 or function of angular variable, & this  
 parameter figures only in the relation  
 giving pressure. Study of these

Weill-Raynal, A. (1957) 59-4564  
C.R.Acad.Sci., Paris, 244:2100-2  
 Origine des membranes de l'oeuf chez  
Leander serratus (Pennant), crustacé  
 décapode (Origin of the egg-  
 membranes in Leander serratus Pennant,  
 decapod crustacean)

Role of the ovary & oviduct,  
 respectively, in the formation of  
 internal & external membranes, &  
 rejection of a role in this process  
 for the pleopod cement glands.

FAO:glk

M

59-4561  
 (Card 2)  
 movements confirms the existence of  
 counter-currents in the oceans,  
 particularly in the Gulf Stream.

Pavans de Ceccatty, M. (1957) 59-4565  
C.R.Acad.Sci., Paris, 244:2103-5  
 La nature sécrétoire des lophocytes  
 de l'éponge siliceuse Chondrosia  
reniformis Nardo (The secretory  
 nature of the lophocytes in the  
 siliceous sponge Chondrosia reniformis  
 Nardo)

Interpretation based on histological  
 evidence.

FAO:glk

M

FAO:glk

M

Rivière, A. & 59-4563  
 S. Vernhet (1957)  
C.R.Acad.Sci., Paris, 244 2000-1  
 Contribution à l'étude physicochimique  
 de la sédimentation calcaire  
 (Contribution to the physico-chemical  
 study of calcareous sedimentation)

The alkaline reserve & the low pH of  
 the low-salinity waters of littoral  
 lagoons can be explained in terms of  
 the law of mass action, permitting the  
 interpretation of some hitherto  
 unexplained observations. Discussion of  
 the oceanographic implications.

FAO:glk

MF

Brochu, M. (1957) 59-4566  
C.R.Acad.Sci., Paris, 244:2638-9  
 Lacs de fonte de culot de glace dans  
 les Appalaches (Lakes formed by  
 the melting of residual ice, in the  
 Appalachians)

Examination of the deposit at the  
 exit & margin of these lakes leading  
 to conclusion that it was formed by  
 deposition of fluvio-glacial diluvium.

FAO:glk

F

Roque, M. (1957) 59-4567  
C.R.Acad.Sci., Paris, 244:2657-60  
 Ciliature somatique et ciliature  
 buccale chez Disematostoma tetraedrica  
 (Cilié Holotriche) (Somatic and  
 buccal ciliary apparatus in Disemato-  
stoma tetraedrica, holotrichous  
 ciliate)

Histological study of this planktonic  
 freshwater form.

FAO:glk

F

Tuzet, O. & 59-4570  
 J. Paris (1957)  
C.R.Acad.Sci., Paris, 244:3088-90  
 Les lophocytes de l'éponge siliceuse  
Tethya lyncurium Lamarck et leur  
 évolution (The lophocytes of the  
 siliceous sponge Tethya lyncurium  
 Lamarck and their evolution)

Interpretation of histological  
 evidence.

FAO:glk

M

Roques, M. (1957) 59-4568  
C.R.Acad.Sci., Paris, 244:2849-51  
 Stomatogenèse chez Disematostoma  
tetraedrica (Cilié Holotriche)  
 (Stomatogenesis in Disematostoma  
tetraedrica, holotrichous ciliate)

Histological study of this planktonic  
 freshwater form.

FAO:glk

F

Vantroys, L. (1957) 59-4571  
C.R.Acad.Sci., Paris, 245:340  
 La détermination des marées au-dessus  
 des fonds océaniques (The  
 determination of tides above oceanic  
 bottoms)

Describes an analogue model for  
 construction in an hydraulic  
 laboratory to use bathymetric, tide  
 generating forces, & hydrographic  
 data.

FAO:glk

M

Tuzet, O., S. Sanchez 59-4569  
 & M. Pavans de Ceccatty (1957)  
C.R.Acad.Sci., Paris, 296:2-4  
 Données histologiques sur l'organisation  
 neuro-endocrine de quelques mollusques  
 gastéropodes (Histological data on  
 the neuro-endocrine organization of  
 some gasteropod molluscs)

Contents as per title.

FAO:glk

M

Gayral, P. (1957) 59-4572  
C.R.Acad.Sci., Paris, 245:358-60  
 Résultats d'une prospection  
 algologique à l'île de Mogador  
 (Results of algological prospecting on  
 the island of Mogador)

Description of the zonation & note of  
 a new record.

FAO:glk

M

Fischer-Piette, E. (1957) 59-4573  
C.R.Acad.Sci., Paris, 245:373-5  
 Sur les progrès des espèces  
 septentrionales dans le bios inter-  
 cotidal ibérique: situation en 1956-  
 1957 (On the progress of southern  
 species in the Iberian intercotidal  
 biota: situation in 1956-1957)

Further note on the southward  
 extension of northern elements.

FAO:glk

M

Rullier, F. (1957) 59-4576  
C.R.Acad.Sci., Paris, 245:936-8  
 Teneur en air et en eau interstitiels  
 des sables marins et son influence  
 sur les conditions d'habitat.  
 (Air and interstitial-water content  
 of marine sands & its influence on  
 habitat conditions)

Contents as per title.

FAO:glk

M

Caram, B. (1957) 59-4574  
C.R.Acad.Sci., Paris, 245:440-3  
 Sur la sexualité et le développement  
 d'une Phéophycée: Cylindrocarpus  
berkeleyi (Grev.) Crouan (On the  
 sexuality and development of a  
 Phaeophycian: Cylindrocarpus berkeleyi  
 (Grev.) Crouan)

Assignment of this sp. to the  
 Isogeneratae instead of to the  
 Heterogeneratae on the ground that  
 development in culture gives a plant  
 morphologically resembling that  
 produced from copulation of unilocular  
 sporocyst zooids.

FAO:glk

M

Magne, F. (1957) 59-4577  
C.R.Acad.Sci., Paris, 245:983-5  
 Sur un biotope marin favorable aux  
 Chrysophycées benthiques (On a  
 marine biotope favorable to benthic  
 Chrysophyceae)

Account of the discovery of this  
 biotope in the neighbourhood of  
 Roscoff, with notice of certain spp.  
 new either to French flora or to  
 science.

FAO:glk

M

Lenel, R. (1957) 59-4575  
C.R.Acad.Sci., Paris, 245:746-8  
 Influence de l'ablation des pédoncules  
 oculaires sur les pigments caroténoïdes  
 de l'hypoderme du crabe Carcinus maenas  
 (Influence of ablation of ocular  
 peduncles on the carotenoid pigments  
 of the crab Carcinus maenas)

Contents as per title.

FAO:glk

M

Ginet, R. (1957) 59-4578  
C.R.Acad.Sci., Paris, 245:1173-5  
 Capture d'une espèce nouvelle de  
Salentinella (Amphipoda Gammaridae)  
 dans une grotte des Pyrénées  
 ariégeoises (Capture of a new  
 species of Salentinella, gammarid  
 amphipod, in a grotto of the Pyrenees  
 near Ariège)

Contents as per title.

FAO:glk

F



Dao, S. (1957) 59-4579  
C.R.Acad.Sci., Paris, 245 1263-5  
 La gamétogénèse chez l'Acetabularia  
mediterranea Lamouroux, Dasycladacées  
 (Gametogenesis in Acetabularia  
mediterranea Lamouroux, Dasycladaceae)

Account of 2 modes of reproduction,  
 asexual multiplication by zoospores,  
 & reproduction by male & female sexual  
 gametes of different size.

FAO:glk

M

Reinboth, R. (1957) 59-4582  
C.R.Acad.Sci., Paris, 245 1662-5  
 Sur la sexualité du téléostéen Coris  
julis (L.) (On the sexuality of  
 teleostean Coris julis L.)

Examination of the synonymy of C.  
giofredi with this sp., deriving  
 from hermaphroditic dimorphism.

FAO:glk

M

Devillers, C., J. Colas 59-4580  
 & A.-M. Cantacuzène (1957)  
C.R.Acad.Sci., Paris, 245:14612  
 Gastrulation de l'oeuf de truite (Salmo  
irideus) en l'absence d'oxygène ou en  
 présence d'inhibiteurs du métabolisme  
 (Gastrulation of the egg of trout,  
Salmo irideus, in the absence of  
 oxygen or in the presence of inhibitors  
 of metabolism)

Demonstration of a dissociation  
 between morphogenetic movements &  
 cellular differentiation.

FAO:glk

F

Charniaux-Cotton, H. (1957) 59-4583  
C.R.Acad.Sci., Paris, 245:1665-8  
 Déterminisme des phénomènes d'inter-  
 sexualité chez Orchestia gammarella.  
 Premier résultats (Determinism of  
 intersexual phenomena in Orchestia  
gammarella. First results)

Experimental demonstration of the  
 functional relation of androgenous  
 glands of males of this sp. & certain  
 features of external morphology.

FAO:glk

M

Brémond, J.-C. (1957) 59-4581  
C.R.Acad.Sci., Paris, 245:1643-5  
 Etude statistique des hauteurs des  
 nappes d'eau résultant du choc des  
 vagues sur une paroi rocheuse  
 (Statistical study of the height of  
 water layers resulting from the impact  
 of waves on a rocky wall)

Experimental establishment of a law  
 expressing the frequency distribution  
 of these heights.

FAO:glk

M

Berthois, L. & 59-4584  
 H. Sully (1957)  
C.R.Acad.Sci., Paris, 245:1737-9  
 Coefficients de viscosité des eaux de  
 la Loire en fonction de leur turbidité  
 à différentes températures  
 (Viscosity coefficients of Loire  
 waters as a function of their  
 turbidity at different temperatures)

Measurement of this coefficient &  
 discussion of the consequences to  
 estuarine sedimentation.

FAO:glk

F

Bernard, F. (1957) 59-4585  
C.R.Acad.Sci., Paris, 245:1754-6  
 Présence des flagellés marins Coccolithus et Exuviella dans le plancton de la mer Morte (Presence of the marine flagellates Coccolithus and Exuviella in the Dead Sea plankton)

Note on the occurrence of these Mediterranean forms.

FAO:glk

M

Bernard, F. (1957) 59-4588  
C.R.Acad.Sci., Paris, 245:1968-71  
 Plancton observé durant trois plongées en bathyscaphe au large de Toulon (Plankton observed during three descents in the bathyscaph off Toulon)

Note on the density of plankton at various depths & the frequency with which Coccolithus is observed.

FAO:glk

M

Jónsson, S. (1957) 59-4586  
C.R.Acad.Sci., Paris, 245:1943-6  
 La fragmentation du cytoplasme chez le Siphonocladus pusillus (Kütz.) Hauck, Siphonale (Fragmentation of the cytoplasm of Siphonocladus pusillus (Kütz.) Hauck, Siphonale)

Description of this process which relates to growth & vegetative reproduction of this alga.

FAO:glk

M

Brien, P., M. Poll 59-4589  
 & J. Bouillon (1957)  
C.R.Acad.Sci., Paris, 245:1988-90  
 Ethologie de la reproduction d'un dipneuste africain Protopterus dolloï (Boulanger) Ethology of reproduction in the African dipneust Protopterus dolloï Boulanger)

Description of the sites for egg-laying & of male & female behaviour with regard to nests.

FAO:glk

F

Szabo, T. (1957) 59-4587  
C.R.Acad.Sci., Paris, 245:1957-9  
 Un noyau particulier dans la formation réticulée bulbaire de quatre poissons électriques appartenant à la famille des Gymnotidae (A particular nucleus in the bulbar reticulated formation of four electric fish belonging to the family Gymnotidae)

Histological study.

FAO:glk

M

Vandel, A. (1957) 59-4590  
C.R.Acad.Sci., Paris, 245:2160-3  
 Sur la constitution et la genèse des différents types d'apophyses génitales chez les crustacés isopodes (On the constitution and genesis of different types of genital apophyses in isopod crustacea)

Comparative study for systematic purposes.

FAO:glk

MF

Steele, J.H. (1959) 59-4591  
Biol.Rev., 34:129-58  
The quantitative ecology of marine  
phytoplankton

Discussion of mathematical methods  
used in population studies of marine  
phytoplankton, with particular  
reference to the information used to  
set up postulates & to test  
conclusions.

FAO:glk

M

Grubišić, F. (1959) 59-4594  
Morsk.Ribarst., 11:53-4  
Rezultat pokusnog zimskog lova skuša  
na Palagruži (The results of a  
trial winter mackerel fishing). En

Short summary of the experience  
gained by experimental fishing in  
January & February in the waters of  
Palagruža.

FAO:tl

M

Gerking, S.D. (1959) 59-4592  
Biol.Rev., 34:221-42  
The restricted movement of fish  
populations

Review of evidence of restricted  
movements by stream, lake & ocean  
fishes & of certain features of fish  
behaviour relevant to this  
characteristic, seeking to explain  
why individual fish of many spp. tend  
to stay in a particular area for a  
considerable period of time.

FAO:glk

MF

Lundy, H. (1959) 59-4595  
Ore.St.Game Bull., 14(3):3, 6-8  
Counting our chips

Popular account of the problems of  
anadromous fish in relation to  
water development projects in  
Oregon & with special attention to  
the Columbia River.

WAD:wad

MF

Lundbeck, J. (1959) 59-4593  
Ber.dtsch.Komm.Meeresforsch., 15:159-237  
Biologisch-statistische Untersuchungen  
über die deutsche Hochseefischerei - IV.  
Die Entwicklung der Hochseefischerei in  
fangtechnischer, räumlicher und  
biologischer Hinsicht - 4. Leistungs-  
fähigkeit und Fangerträge der deutschen  
Fischdampferflotte 1885 bis 1955  
(Biological-statistical investigations  
of the German high-sea fishery - IV.  
Development of the high-sea fishery with  
regard to catching-techniques, spacial,  
areal & biological aspects - 4. Capacity  
& catch yield of the German fish-steamer  
fleet 1885 to 1955). En  
FAO: M

Grassé, P.-P. & 59-4596  
J. Dragesco (1957)  
C.R.Acad.Sci., Paris, 245:2447-52  
L'ultrastructure du chromosome des  
Péridiniens et ses conséquences  
génétiques (The ultrastructure of  
the chromosomes of Peridiniens and  
their genetic consequences)

Note demonstrating that the inter-  
phasic nucleus of Peridiniens permits  
an analysis of chromosome infra-  
structure under exceptionally good  
conditions.

FAO:glk

M



Masuzawa, J. (1958) 59-4597  
Oceanogr.Mag., 10(1):1-8  
A short-period fluctuation of the  
Kuroshio east of cape Kinkazan

Results of multiple ship measurements on  
June-July 1957. Description of short  
term fluctuation of current axis &  
velocity distribution in the current.

FAO:tl

M

Ichiye, T. (1958) 59-4600  
Oceanogr.Mag., 10(1):49-63  
The response of a stratified,  
bounded ocean to variable wind  
stresses

Analytical theoretical consideration  
of moving wind stress in a bounded  
ocean, an amplitude of the responses  
of the ocean with numerical examples  
for travelling & periodically  
changing wind systems.

FAO:tl

M

Kawamoto, T. (1958) 59-4598  
Oceanogr.Mag., 10(1):9-12  
The construction of parachute drogue

Description of a parachute drogue for  
measurement of deep currents.

FAO:tl

M

Miyazaki, M. (1958) 59-4601  
Oceanogr.Mag., 10(1):65-80  
A method for the harmonic analysis of  
tides

Description of a simplified method  
for computation of the tidal  
constituents from annual tidal  
records. Auxiliary computation  
tables are given.

FAO:tl

M

Takenouti, Y. (1958) 59-4599  
Oceanogr.Mag., 10(1):13-7  
Measurements of subsurface current in  
the cold-belt along the northern  
boundary of Kuroshio

Results of subsurface current  
measurements with parachute drogue &  
discussion of the formation of cold  
water belt along the northern boundary  
of Kuroshio.

FAO:tl

M

Moriyasu, S. (1958) 59-4602  
Oceanogr.Mag., 10(1):81-9  
On the fluctuation of the Kuroshio  
south of Honshū (3). (A short note  
on the computation of the relative  
volume transport)

Discussion of the influence of the  
depth & horizontal distance of the  
section on the computation of  
volume transport.

FAO:tl

M

Hanzawa, M. (1958) 59-4603  
Oceanogr.Mag., 10(1):91-6  
Studies on the inter-relationship  
between the sea and the atmosphere  
(Part 3)

Study of the distribution of  
atmospheric pressure over the North  
Pacific & its influence on sea  
surface temperatures on eastern &  
western shores of the ocean.

FAO:tl

M

Ayers, J.C. & al. (1958) 59-4606  
Publ.Gr.Lakes Res.Inst.; (3):1-169  
Currents and water masses of lake  
Michigan

F

Ichie, T. (1958) 59-4604  
Oceanogr.Mag., 10(1):97-135  
On convective circulation and density  
distribution in a zonally uniform ocean

Theoretical analyses of the relations  
between oceanic circulation & density  
distribution in a simple model of  
circulation in a meridional section.

FAO:tl

M

Anonymous (1958) 59-4607  
Canada, Dep.Fish., 1-28  
Let's serve shellfish

MF

Okubo, A. (1958) 59-4605  
Oceanogr.Mag., 10(1):137-56  
The distribution of dissolved oxygen  
in the north-western part of the North  
Pacific ocean in the aspect of  
physical oceanography - Part I. General  
features of the oxygen distribution (I)

Description of horizontal & vertical  
distribution of oxygen in summer 1955.

FAO:tl

M

Fraser, J.H. (1958) 59-4608  
Proc.Nutr.Soc., 17(2):127-32  
The food supplies of the fish

Discussion of: productivity in the sea  
plankton & the food chain the food  
of demersal fish the young stages of  
fish the yield of fish fertilization  
direct use of plankton.

tl,plk

MF

Mansueti, R. (1958) 59-4609  
Nature Mag., 51(7):351-4  
The hickory shad unmasked

Berry, F.H. (1958) 59-4612  
Proc. Conf. Southeast. Ass. Game Comm., (11)  
318-31  
Age and growth of the gizzard shad,  
(Dorosoma lacepedi Lesueur), in lake  
Newnan, Florida

MF

Dorris, T.C. & al. (1958) 59-4610  
Annu. Conf. W. Petroleum Refiners Ass.,  
(3):1-8  
Toxicity bioassay of oil refinery  
effluents in Oklahoma

Atkinson, W.S. (1957) 59-4613  
Leaflet U.S. Dep. Agric., (259):1-8  
How to build a farm pond

F

F

Saxena, D.B. (1957) 59-4611  
Ann. Session nat. Acad. Sci. India, 3:1  
The comparative studies of the bones  
forming the opercular series in some  
freshwater fishes of India

Berzins, B. (1957) 59-4614  
Årsskr. Södra Sverigs Lisköpen., 41-53  
Om fiskerivård med rotenon  
(On fisheries management with  
rotenon)



F

F



Fauvel, P. & F. Rullier (1959) 59-4615  
Bull.Inst.franç.Afr.noire, 21:477-533  
 Contribution à la faune des Annélides Polychètes du Sénégal et de Mauritanie (Première partie) (Contribution to the fauna of Annelids Polychaets of Senegal and Mauritania - 1st part)

A systematic catalogue with synonyms, information on occurrence & general geographic distribution of the spp.

FAO:hr

M

Davey, J.T., M. Descamps & R. Demange (1959) 59-4618  
Bull.Inst.franç.Afr.noire, 21:565-600  
 Notes on the Acrididae of the French Sudan, with special references to the Central Niger delta

A catalogue of spp. with notes on occurrence & ecology.

FAO:hr

F

Vaissière, R. (1959) 59-4616  
Bull.Inst.franç.Afr.noire, 21:534-53  
 Parasites de poissons de mer ouest-africains récoltés par J. Cadenat - II. Copépodes - Copépodes caligides (Parasites of fishes of West African seas collected by J. Cadenat - II. Copepod caligids)

Taxonomic description of spp. of Caligidae, Euryphorinae, with notes on hosts.

FAO:hr

M

Daget, J. (1959) 59-4619  
Bull.Inst.franç.Afr.noire, 21:664-88  
 Les poissons du Niger supérieur (Fishes of the upper Niger)

A catalogue of spp. with taxonomic descriptions & notes on their occurrence & distribution.

FAO:hr

F

Mayrat, A. (1959) 59-4617  
Bull.Inst.franç.Afr.noire, 21:554-64  
 Remarques sur le développement de la crevette caramote, Penaeus kerathurus (Forsk.) (Remarks on the development of the shrimp Penaeus kerathurus Forsk.)

5 mysis & 7 postmysis phases of development between mysis & adult were determined by logarithmic coordinates. Growth of crustaceans. Causes of variation & regulating mechanisms were briefly reviewed.

FAO:hr

M

Daget, J. (1959) 59-4620  
Bull.Inst.franç.Afr.noire, 21:689-94  
 Description de trois poissons nouveaux de la Gambie: Barbus niokoloensis n.sp., Chrysichthys johnelsi n.sp. et Amphilius rheophilus n.sp. (Description of three new fishes of Gambia: Barbus niokoloensis n.sp., Chrysichthys johnelsi n.sp. and Amphilius rheophilus n.sp.)

Taxonomic description of the spp.

FAO:hr

F

Monod, Th. (1959) 59-4621  
Bull.Inst.franç.Afr.noire, 21:695-709  
 Les nageoires ventrales du Balistes  
forcipatus Gmelin 1789 (Ventral  
 fins of Balistes forcipatus Gmelin  
 1789)

A study of morphological details  
 followed by an attempt to interpret  
 the replacement of the ventral fins of  
 the sp. by a spine.

FAO:hr

M

59-4623  
 (Card 2)

Atractophorus is considered a  
 juvenile form of certain spp. of  
Centrophorus.

FAO:hr

M

Monod, Th. (1959) 59-4622  
Bull.Inst.franç.Afr.noire, 21:710-34  
 Notes sur l'épine latéro-caudale et la  
 queue de l'Acanthurus monroviae  
 (Notes on the latero-caudal spine and  
 tail of Acanthurus monroviae)

A morphological & histological study.

FAO:hr

M

Cadenat, J. (1959) 59-4625  
Bull.Inst.franç.Afr.noire, 21:743-6  
 Notes d'ichtyologie ouest-africaine -  
 XXII. Centrophorus lusitanicus Bocage  
 Capello 1864 (Sélacien Squalidae),  
 espèce valable différente de C.  
granulosus (West African ichthyo-  
 logical notes - XXII. Centrophorus  
lusitanicus Bocage and Capello 1864,  
 selachian Squalidae, valid species  
 different from C. granulosus)

A comparison of the spp. indicating  
 their differences & consequently  
 their validity.

FAO:hr

M

Cadenat, J. (1959) 59-4623  
Bull.Inst.franç.Afr.noire, 21:735-42  
 Notes d'ichtyologie ouest-africaine -  
 XXI. Le genre Atractophorus Gilchrist  
 1922, stade juvénile de Centrophorus  
 Müller Henle 1837 (Sélacien Squalidae)  
 (West African ichthyological notes -  
 XXI. The genus Atractophorus Gilchrist  
 1922, juvenile stage of Centrophorus  
 Müller Henle 1837, Selachien Squalidae)

A study of the lateral grooves of the  
 spines of the dorsal fin indicates the  
 character to be only present in  
 young forms. Consequently the genus

Cadenat, J. (1959) 59-4626  
Bull.Inst.franç.Afr.noire, 21:748-61  
 Notes d'ichtyologie ouest-africaine -  
 XXIII. Sur la valeur relative de la  
 morphologie des spicules dans la  
 systématique du genre Centrophorus  
 (West African ichthyological notes -  
 XXIII. On the relative value of the  
 morphology of the spines on the  
 systematic of the genus Centrophorus)

The morphology of the dermic spines  
 of Selachians varies with age  
 particularly among the spp. of  
Centrophorus. Based on this finding,

59-4628  
(Card 2)  
the author reviews the validity  
of different spp. of the genus.

FAO:hr

M

59-4630  
Cadenat, J. &  
M. Doutre (1959)  
Bull.Inst.franç.Afr.noire, 21:787-92  
Notes sur les delphinidés ouest-  
africains - V. Sur un Prodelphinus à  
long bec capturé au large des côtes  
du Sénégal Prodelphinus longirostris  
(Gray) 1828? (Notes on West  
African delphinids - V. On a long bill  
Prodelphinus captured off Senegal  
Prodelphinus longirostris Gray 1828?)

Contains body & head measurements &  
proportions, notes on coloration  
& biological remarks.

FAO:hr

M

Lamotte, M., J.-L. Perret 59-4628  
& S. Dzieduszycka (1959)  
Bull.Inst.franç.Afr.noire, 21:762-76  
Contribution à l'étude des Batraciens  
de l'ouest africain - IX. Les formes  
larvaires de Petropedetes palmipes,  
Conraua goliath et Acanthixalus  
spinosus (Contribution to the  
study of Batrachians of West Africa -  
IX. Larval forms of Petropedetes  
palmipes, Conraua goliath and Acanthi-  
xalus spinosus)

Description of tadpoles & notes on  
development of larval formae of the  
spp. of Cameroon.

FAO:hr

F

Berzins, B. (1957) 59-4631  
Årsskr.Södra Sverig.FiskFören., 19-34  
Studier över näringstillgång och  
närbingsbehov hos nykläckt sikyngel  
(Studies on the availability of food  
and food requirements of newly  
hatched whitefish larvae)

F

Cadenat, J. & 59-4629  
A. Lassarat (1959)  
Bull.Inst.franç.Afr.noire, 21:777-81  
Notes sur les delphinidés ouest-  
africains - IV. Sur un Prodelphinus  
indéterminé de côte d'Ivoire  
(Notes on the West African delphinids -  
IV. On an undetermined Prodelphinus  
of the Ivory coast)

Contains notes on coloration & tables  
of morphometric & other characters.

FAO:hr

M

Lathbury, A. & 59-4632  
R.A. Bryson (1958)  
Univ.Wisconsin, Dep.Meteorology, 1-28  
Studies of the physiographic features  
of lake Mendota - I. Sublacustrine  
Gullies

F



Shishkin, B.K. (1958) 59-4633  
Mosqua, Editio Academiae Scientiarum  
URSS, 776 p.  
 Flora URSS (Flora Unionis Republicarum  
 Socialisticarum Sovieticarum). Ru

Ill. systematic account of the orders:  
 Bignoniaceae Pers., Pedaliaceae Lindl.,  
 Martyniaceae Link, Orobanchaceae Lindl.,  
 Lentibulariaceae Lindl., Globulariaceae  
 Link, Phrymaceae Schauer, Planta-  
 ginaceae Lindl., Rubiaceae Juss.,  
 Caprifoliaceae Vent., Adoxaceae Fritsch,  
 Valerianaceae DC. Text in Russian.  
 Addendum giving, in latin diagnosis

France. Sous-Secrétariat à 59-4636  
 la Marine Marchande. Direction des  
 Pêches Maritimes (1958)  
 Paris, 181 p.  
 Statistique des pêches maritimes -  
 Année 1956 (Marine fisheries  
 statistics for the year 1956)

Statistical tables giving: 1) general  
 information on fishing operations; 2)  
 fishing boats; 3) fishermen; 4)  
 production; 5) related industries,  
 with breakdown by spp. & localities.

FAO:glk

M

59-4633  
 (Card 2)  
 of each new sp. described in this  
 volume.

FAO:glk

F

Washington. University 59-4637  
 Fisheries Research Institute (1959)  
 Seattle 5, Wash., 24 p.  
 Report of operations . . . . 1958

Short history of the Institute -  
 facilities, objectives, publications,  
 study & employment opportunities -;  
 fisheries of Alaska; report on Alaska  
 salmon industry projects - red salmon  
 studies, pink salmon studies -;  
 summary of Federal Contract Projects -  
 high seas salmon tagging, & in Cook  
 Inlet, Prince William Sound, & west  
 coast of Prince of Wales I.; Kvichak  
 red salmon studies; effects of

D'Amico & 59-4635  
 P.P. Foà (1959)  
Experientia, 15:145  
 Glucose and potassium transfer in the  
 isolated heart of Venus mercenaria

Biochemical study of the effect of  
 insulin on the uptake of glucose &  
 potassium by the clam heart in vitro,  
 as preliminary to use of this  
 material for biological assay.

FAO:glk

M

59-4637  
 (Card 2)  
 tagging on productivity of pink  
 salmon streams in Alaska; sea lion  
 studies; stream catalogue of SE  
 Alaska; king crab studies.

IR:sjh

MF

Florin, M.-B. (1957) 59-4639  
Acta phytogeogr. suec., (37):144 p.  
Plankton of fresh and brackish waters  
in the Södertälje area

Description of the area; methods used;  
description of the lakes & fjörds;  
physical-chemical data; taxonomic lists  
of macrophytes & plankton organisms  
by lakes with special consideration of  
plankton in brackish water fjörds  
between Mälaren & Baltic.

FAO:tl

MF

Tibbs, J. (1959) 59-4642  
Biochim. biophys. Acta, 33(1):220-6  
The adenosine triphosphatase activity  
of perch sperm flagella

Measurement of the conditions for  
maximum activity using  $MgCl_2$   
activator &  $CaCl_2$  activator, of the  
specificity of enzyme action, the  
effect of substrate concentration on  
activity & of KCl on Mg & Ca  
activation, & an account of an  
attempt to extract enzyme activity  
from the flagellum.

FAO:glk

F

Mechsner, Kl. (1959) 59-4640  
Biochim. biophys. Acta, 33(1):150-8  
Untersuchungen an Chlorella vulgaris  
über den Einfluss der Alkaliionen auf  
die Lichtphosphorylierung  
(Investigation of the influence of  
alkali ions on phosphorylation in light  
by Chlorella vulgaris). En

Detailed description of the method.  
Comparison of the effect of  $K^+$  ion with  
that of  $Rb^+$ ,  $Li^+$ ,  $Na^+$ ,  $Cs^+$  &  $NH_4^+$  ions,  
with that of various anions, &  
examination of the process in the  
presence of various inhibitors.

FAO:glk

F

Hildemann, W.H. (1959) 59-4643  
Amer. Nat., 93(860):27-34  
A cichlid fish, Symphysodon discus,  
with unique nurture habits

Normally the newly-hatched fry feed  
exclusively off the skin of the  
parents, on an abundant mucous  
secretion with a granular composition  
produced by both parents over the  
entire body incl. the fins. Histo-  
logical sections revealed that this  
food is secreted by numerous, large  
mucous cells in the epidermis of the  
hypertrophied parental skin.

FAO:whh

F

Kandler, O. & 59-4641  
C. Sironval (1959)  
Biochim. biophys. Acta, 33(1):207-15  
Photoxidation processes in normal green  
Chlorella cells - II. Effects on  
metabolism

The bleaching of Chlorella cells in a  
very intense light occuring only after  
a certain dark-reversible induction  
phase, the length of which depends on  
oxygen tension, light intensity &  
specific photostability of the strain of  
Chlorella used, & examination was made  
of the metabolic changes occuring  
during the induction.

FAO:glk

F

Bagrov, N.A. (1958) 59-4644  
Met. Hidrolog., (11):41-6  
Hydrodynamic methods of long-range  
weather forecasting

Middleton, H.K. (1958) 59-4645  
Misc.Publ.nat.Bur.Stand., (224):168 p.  
Hydraulic research in the United States  
1958 (Including contributions from  
Canadian laboratories).

Information compiled from reports of  
hydraulic & hydrologic laboratories in  
the US & Canada on the status of  
current projects. Incl. some on fishery  
engineering - fishways, fish screens  
& other fish protective devices -, &  
others of limnological & oceanographical  
interest.

FAO:wad

Lundbeck, J. (1958) 59-4648  
Jber.dtsch.Fisch., 1957:112-41  
Biologisch-statistischer Bericht über  
die deutsche Hochseefischerei im  
Jahre 1957 (Biological-statistical  
report on the German high-sea fishery  
during 1957). En

Tables of production statistics of  
deep sea fishery by spp., months,  
regions; fishing effort, incl.  
analysis of spp., length & age  
composition.

FAO:dr

M

Germany. Bundesministerium 59-4646  
für Ernährung, Landwirtschaft  
und Forsten (1958)  
Verlag Gebr.Mann, Berlin, 282 p.  
Jahresbericht über die deutsche  
Fischerei 1957 (Annual report on the  
German fishing industry 1957)

Tables of production statistics by spp.,  
months, regions, types of gear, & use  
of product; trade quantities & values;  
fishing effort; research activities;  
processing & reduction; & whaling  
production. Miscellaneous notes on  
world fisheries.

FAO:dr

MF

Ebeling, G. (1958) 59-4649  
Jber.dtsch.Fisch., 1957:154-9  
Der Einsatz der Fischereischutzboote  
(Fischereihilfsschiffe) FRITHJOF,  
MEERKATZE und POSEIDON sowie des  
Fischereiforschungsschiffes ANTON  
DOHRN im Jahre 1957 (Activities  
of the fishery protection vessels  
FRITHJOF, MEERKATZE and POSEIDON and  
the R/V ANTON DOHRN during 1957).  
En

Brief account of medical & technical  
helps & weather services rendered.  
Incl. notes on the technical  
equipment of the vessels.

FAO:dr

M

Sommer, K. (1958) 59-4647  
Jber.dtsch.Fisch., 1957:29-104  
Die See- und Küstenfischerei und die  
Fischversorgung der Bundesrepublik  
Deutschland im Jahre 1957 (The sea-  
and coastal fisheries & the fish supply  
of the German Federal Republic in 1957).  
En

Tables of production statistics by spp.,  
regions, types of gear; trade quantities  
& values.

FAO:dr

M

Bückmann, A. (1958) 59-4650  
Jber.dtsch.Fisch., 1957:175-80  
Die Arbeiten der Deutschen Wissen-  
schaftlichen Kommission für  
Meeresforschung (On the activity  
of the German Scientific Commission  
for the exploration of the sea).  
En

Summarizes activities of German  
Commission on biological, techno-  
logical & hydrographical  
investigations. Details are given on  
coordination with ICES, ICNAF, SCOR,  
PCIFC(1956), & FAO.

FAO:dr

M



Mann, H., A. von Brandt 59-4651  
& Chr. Hennings (1958)  
Jber.dtsch.Fisch., 1957:181-222  
Die Fischereiforschung (Fisheries  
investigations). En

Reports activities of institutions  
engaged in fisheries science.

FAO:dr

MF

Bahr, K. (1958) 59-4654  
Jber.dtsch.Fisch., 1957:230-6  
Kleine Hochsee- und Küstenfischerei  
(The deep sea cutter and coastal  
fisheries). En

Notes on so-called small deep-sea &  
coastal fisheries, with production  
& value statistics.

FAO:dr

M

Dierks, A. (1958) 59-4652  
Jber.dtsch.Fisch., 1957:223-7  
Die deutsche Hochseefischerei im Jahre  
1957 (The German deep sea fishery  
during 1957). En

Brief account of the German deep sea  
fishing industry, with notes on  
planned market reform & programme for  
changing economic structure.

FAO:dr

M

Wiehr, H. (1958) 59-4655  
Jber.dtsch.Fisch., 1957:237-46  
Binnenfischerei (The inland water  
fishery). En

Contains tables of 1957 production  
statistics by spp. & regions; fishing  
technology, mechanization & electrical  
fishing; training schemes for  
fishermen; pond farming. Also incl.  
notes on fish disease control.

FAO:dr

F

Frick, C. (1958) 59-4653  
Jber.dtsch.Fisch., 1957:228-9  
Grosse Heringsfischerei (Logger-  
fischerei) (The lugger fishery).  
En

Notes on bigger herring fishery with  
production & value statistics.

FAO:dr

M

Brockstedt, H. (1958) 59-4656  
Jber.dtsch.Fisch., 1957:263-76.  
Die Fischwirtschaft anderer Länder  
(The fisheries of other countries).  
En

Tables of world fisheries production  
statistics; utilization of world  
catches; detailed reports on fish  
products; fishing yields of European  
& other important countries in 1959;  
& foreign trade with fishery  
products of 15 countries.

FAO:dr

MF

Hellmich, G. (1958) 59-4657  
Jber.dtsch.Fisch., 1957:277-82  
Walfang (The whale fishery).  
En

Statistical account of the world's  
whale production in 1957.

FAO:dr

M

Medcof, J.C. & 59-4660  
J.E. Mortimer (1958)  
Progr.Rep.Atl.Cst Stas, (71):27-9  
Introducing European oysters to the  
maritimes. Fr

Comparison of native oysters with  
the European Ostrea edulis, account  
of a trial planting of the latter  
near St. Andrews, & note on future  
work.

GLK:glk

MF

Lauzier, L. (1958) 59-4658  
Progr.Rep.Atl.Cst Stas, (71):8-12  
Surface sea water temperatures along  
the Canadian Atlantic coast, 1954-1957.  
Fr

Graph of surface seawater temperatures  
at St. Andrews, N.B., 1921-1957, with  
tabulations of monthly & annual values  
for 1953-57, & of monthly & annual  
record low & high & long-term average  
values for the entire period, the  
temperature variations at St. Andrews  
being generally indicative of conditions  
on the whole Canadian Atlantic coast.

GLK:glk

M

Anonymous (1959) 59-4661  
Limnol.Oceanogr., 4(1):106-7  
Communication concerning a central  
agency for C14 determination  
(Measurements of primary production in  
the sea) at Charlottenlund slot,  
Denmark

HR:x

Medcof, J.C. (1958) 59-4659  
Progr.Rep.Atl.Cst Stas, (71):21-6  
Stock-taking of molluscal shellfish  
resources and prospects for improvement.  
Fr

Sp. by sp. review of quantity & value  
of catch, methods used & conditions  
affecting stocks & discussion of  
measures to improve the situation.

GLK:glk

MF

Canada. Fisheries 59-4662  
Research Board (1958)  
Ottawa, 195 p.  
Annual report 1957-1958 for the  
fiscal year ended March 31, 1958

Report on research activities,  
description of projects & principal  
results of investigations. The  
reports from various research stations  
are arranged by subject & sp. of fish.

FAO:tl

MF

Nielsen, E. Steemann & 59-4665  
D.H. Cushing (1958)  
Rapp.Cons.Explor.Mer, 144:5-9  
Introduction

Brief account of the symposium & of  
some of the points raised in the  
discussions, with the recommendations  
of the various committees appointed  
during the symposium.

FAO:glk

MF

Ryther, J.H. & al. (1958) 59-4666  
Rapp.Cons.Explor.Mer, 144:13-4  
Report of the committee on methods  
for the measurement of primary  
production

FAO:x

Holmes, R. & al. (1958) 59-4664  
Rapp.Cons.Explor.Mer, 144:11  
Recommendations on studies of  
phytoplankton populations

FAO:x

Cushing, D.H. & al. (1958) 59-4667  
Rapp.Cons.Explor.Mer, 144:15-6  
Report of the committee on terms  
and equivalents

FAO:x

Krey, J. & al. (1958) 59-4665  
Rapp.Cons.Explor.Mer, 144:12  
Report of the committee on chlorophyll

FAO:x

Braarud, T. (1958) 59-4668  
Rapp.Cons.Explor.Mer, 144:17-9  
A. Methods for estimating standing  
crop in phytoplankton - A.1. Counting  
methods for determination of the  
standing crop of phytoplankton

Review of methods of concentration of  
plankton, from the free environment  
(nets) or from abstracted samples  
(centrifugation etc.), & brief  
discussion of some aspects of the  
techniques of enumeration.

FAO:glk

MF



Krey, J. (1958) 59-4669  
Rapp.Cons.Explor.Mer, 144:20-7  
A. Methods for estimating standing  
crop in phytoplankton - A.2. Chemical  
methods of estimating standing crop of  
phytoplankton

General discussion of plankton pigments,  
the chlorophyll content of phytoplankton  
& its physiological significance, the  
principles of optical measurement of  
concentration & the properties of  
chlorophyll, with review of methods of  
collection & concentration of plankton,  
dissolving & preserving chlorophyll, &  
measurement of its concentration.

FAO:glk

MF

Cushing, D.H. & 59-4672  
H.T. Nicholson (1958)  
Rapp.Cons.Explor.Mer, 144:34  
A. Methods for estimating standing  
crop in phytoplankton - A.5. The  
measurement of the carbon content of  
diatoms, using the  $^{14}\text{C}$  technique:  
a preliminary note

Contents as per title.

FAO:glk

M

Hanaoka, T. (1958) 59-4670  
Rapp.Cons.Explor.Mer, 144:28-31  
A. Methods for estimating standing  
crop in phytoplankton - A.3. Suspended  
matter as an index of the productivity  
of the sea

Report of field work showing that a  
far large amount of plant protoplasm is  
present in at least some areas of the  
sea in the form of micro-particles  
retainable on a micro-filter than in the  
form of larger particles to be retained  
by a plankton net, & presentation of a  
correlation between an index of total  
suspended matter & fish production.

FAO:glk

M

Cooper, L.H.N. (1958) 59-4673  
Rapp.Cons.Explor.Mer, 144:35-7  
B. Methods of measurements of  
production - B.1. Consumption of  
nutrient salts in the English Channel  
as a means of measuring production

Discussion of the reliability of this  
method as applied to data on the  
midwinter phosphate maximum in  
January 1947 & on water exchange in  
the winter of 1950.

FAO:glk

M

Cushing, D.H. (1958) 59-4671  
Rapp.Cons.Explor.Mer, 144:32-3  
A. Methods for estimating standing crop  
in phytoplankton - A.4. The estimation  
of carbon in phytoplankton

Discussion of the calculation of some  
equivalents established between dried  
weight of plankton, dry planktonic  
organic matter, algal volume,  
chlorophyll & carbon.

FAO:glk

MF

Nielsen, E. Steemann (1958) 59-4674  
Rapp.Cons.Explor.Mer, 144:38-46  
B. Methods of measurements of  
production - B.2. Experimental  
methods for measuring organic  
production in the sea

Review of the oxygen & the carbon-14  
techniques.

FAO:glk

MF

Doty, M.S. & M. Oguri (1958) 59-4675  
Rapp.Cons.Explor.Mer, 144:47-55  
B. Methods of measurements of production - B.3. Selected features of the isotopic carbon primary productivity technique  
  
Discussion of various manipulative features & of the reliability of the technique.

FAO:glk

MF

Winberg, G.G. (1958) 59-4678  
Rapp.Cons.Explor.Mer, 144:65-9  
B. Methods of measurements of production - B.6. Quelques questions concernant les méthodes de l'investigation de la production primaire du plancton, basée sur des travaux exécutés en URSS (Some questions concerning the methods of investigation of primary plankton production, based on work carried out in the USSR)

Discussion of some problems, such as the effect of bacterial activity, encountered in the use of the oxygen method, & of evidence on the

Fogg, G.E. (1958) 59-4676  
Rapp.Cons.Explor.Mer, 144:56-60  
B. Methods of measurements of production - B.4. Extracellular products of phytoplankton and the estimation of primary production

Direct determination of the extent to which extracellular products of photosynthesis are liberated by phytoplankton.

FAO:glk

MF

59-4678  
(Card 2)  
productivity of various waters.

FAO:glk

MF

Fedosov, M.V. (1958) 59-4677  
Rapp.Cons.Explor.Mer, 144:61-4  
B. Methods of measurements of production - B.5. Investigations of the chemical basis of productivity in sea basins

Discussion of the operational routine at sea for measurement of oxygen as approach to the measurement of production, & on the collection of material for the estimation of the intensity of the synthesis of organic matter in a particular region of the sea.

FAO:glk

M

Wimpenny, R.S. (1958) 59-4680  
Rapp.Cons.Explor.Mer, 144:70-2  
C. Measurements of primary production  
C.1. Carbon production in the sea at the Smith's Knoll lightvessel

Results obtained by carbon-14 & oxygen methods.

FAO:glk

M

Cushing, D.H. (1958) 59-4681  
Rapp.Cons.Explor.Mer, 144:73-5  
C. Measurements of primary production --  
C.2. Some experiments using the <sup>14</sup>C technique

Estimates of production in the area between the Devil's Hole & Flamborough Head; the same observations were used to make an estimate of the algal reproductive rate & at the same time grazing experiments were carried out. A preliminary experiment on the relation between photosynthesis & phosphorous content is described.

FAO:glk

M

Berge, G. (1958) 59-4684  
Rapp.Cons.Explor.Mer, 144:85-91  
C. Measurements of primary production --  
C.5. The primary production in the Norwegian Sea in June 1954, measured by an adapted <sup>14</sup>C technique

Description of the method which was designed to meet certain operational requirements of the programme of a research vessel, & presentation of results brought into relation with hydrographic, zooplanktonic & fish investigations.

FAO:glk

M

Corlett, J. (1958) 59-4682  
Rapp.Cons.Explor.Mer, 144:76-8  
C. Measurements of primary production --  
C.3. Measurements of primary production in the western Barents Sea

Measurement of light penetration, & of production by carbon-14 method.

FAO:glk

M

Nielsen, E. Steemann (1958) 59-4685  
Rapp.Cons.Explor.Mer, 144:92-5  
C. Measurements of primary production --  
C.6. A survey of recent Danish measurements of the organic productivity in the sea

Results obtained in Danish & Greenland waters.

FAO:glk

M

Steele, J.H. (1958) 59-4683  
Rapp.Cons.Explor.Mer, 144:79-84  
C. Measurements of primary production --  
C.4. Production studies in the northern North Sea

Describes the basic problems of the "phosphate method" & gives some results of its use in the northern North Sea. Briefly outlines a mathematical model relevant to the same area & gives some detailed comparisons of the model, the phosphate results & the carbon-14 technique.

FAO:glk

M

Currie, I.I. (1958) 59-4686  
Rapp.Cons.Explor.Mer, 144:96-102  
C. Measurements of primary production --  
C.7. Some observations on organic production in the North-East Atlantic

Measurement of rate of photosynthesis of phytoplankton standing crop of phytoplankton, & the light energy available for photosynthesis. (issued as: Coll.Repr.Normley nat.Inst. Oceanogr., 6(217), 1958).

FAO:glk

M



Bernard, F. (1958) 59-4687  
Rapp.Cons.Explor.Mer, 144:103-8  
 C. Measurements of primary production -  
 C.8. Données récentes sur la fertilité  
 élémentaire en Méditerranée  
 (Recent data on the elementary fertility  
 in the Mediterranean)

Brief history of such investigations;  
 dominant organisms among the unicellular  
 plankton; variation in productivity  
 between the principal strata; speed of  
 multiplication of the dominant organisms.

FAO:glk M

Bogorov, B.G. (1958) 59-4690  
Rapp.Cons.Explor.Mer, 144:117-21  
 C. Measurements of primary production -  
 C.10. Estimates of primary production  
 in biogeographical regionization of  
 the ocean

Correlation of primary production with  
 temperature & zooplankton biomass in  
 the northwest Pacific.

FAO:glk M

Holmes, R.W. (1958) 59-4688  
Rapp.Cons.Explor.Mer, 144:109-16  
 C. Measurements of primary production -  
 C.9. Surface chlorophyll "A", surface  
 primary production, and zooplankton  
 volumes in the eastern Pacific ocean

Summary of data on geographical  
 variations in surface chlorophyll a,  
 surface primary production, & zoo-  
 plankton volume which are related to  
 physical & chemical regime of these  
 waters; computation of daily organic  
 carbon requirement of zooplankton;  
 comparison of photosynthetic rates per  
 unit of chlorophyll a observed in sea-

59-4689  
 (Card 2)  
 water samples with laboratory  
 results.

FAO:glk M

Rodhe, W. (1958) 59-4691  
Rapp.Cons.Explor.Mer, 144:122-8  
 C. Measurements of primary production -  
 C.11. The primary production in lakes:  
 some results and restrictions of the  
 14C method

Discussion of results obtained in lake  
 Erken, Sweden, with regard to seasonal  
 succession, relations to standing crop  
 of phytoplankton & to chemical  
 conditions, & comparison of these  
 results with those obtained in other  
 lakes.

FAO:glk F

Ohle, W. (1958) 59-4692  
Rapp.Cons.Explor.Mer, 144:129-31  
 C. Measurements of primary production -  
 C.12. Diurnal production and  
 destruction rates of phytoplankton in  
 lakes

Discussion of results with regard to  
 diurnal course of photosynthesis &  
 respiration, of the importance of the  
 starting time for bioactivity in vitro  
 & comparison of net community  
 production in situ & in vitro.

FAO:glk F

Ketchum, B.H. & al. (1958) 59-4693  
Rapp.Cons.Explor.Mer, 144:132-40  
D. Environmental conditions for primary  
production - D.1. Productivity in  
relation to nutrients

Review of problems persisting in the  
understanding of the relation between  
essential nutrients & productivity,  
with discussion of some results on: net  
& gross photosynthesis, variations  
in phytoplankton chlorophyll,  
phosphorus: chlorophyll relation, &  
chlorophyll: carotenoid relations.

FAO:glk

M

Lucas, C.E. (1958) 59-4696  
Rapp.Cons.Explor.Mer, 144:155-8  
D. Environmental conditions for  
primary production - D.4. External  
metabolites and productivity

Review of recent work.

FAO:glk

M

Nielsen, E. Steemann (1958) 59-4694  
Rapp.Cons.Explor.Mer, 144:141-8  
D. Environmental conditions for primary  
production - D.2. Light and the  
organic production in the sea

Discussion of the dependence of photo-  
synthesis on light, the utilization by  
algae of the light penetrating the sea  
surface, the influence of weather  
conditions on the rate of organic  
production & the influence of vertical  
stabilization of the water masses.

FAO:glk

M

van Klaveren, F.W. & 59-4697  
R. Legendre (1958)  
Progr.Rep.Atl.Cst Stas, (71):3-8  
A comparison of various salt cod  
products. Fr

GLK x

Cushing, D.H. (1958) 59-4695  
Rapp.Cons.Explor.Mer, 144:149-54  
D. Environmental conditions for primary  
production - D.3. The effect of grazing  
by analysis of phytoplankton  
populations at sea, & by experiments  
with bottles, & of the relevance of  
experimental results to natural  
populations.

FAO:glk

M

Dussault, H.P. (1958) 59-4698  
Progr.Rep.Atl.Cst Stas, (71):13-6  
Mold contamination in salt fish and  
method of control. Fr

GLK x

Dyer, W.J., D.I. Fraser 59-4699  
& E.G. Bligh (1958)  
Progr.Rep.Atl.Cst Stas, (71):17-20  
Fat hydrolysis in frozen fish. 1. Free  
fatty acid formation. Fr

Anonymous (1959) 59-4702  
Comm.Fish.Rev., 21(3):29-31  
California - Distribution of  
barracuda and White Sea bass  
surveyed off Baja California (M/V  
ALASKA cruise 58A6-Barracuda-White  
Sea bass)

Contents as per title.

GLK:x

FAO:

M

Johnson, H.C. (1959) 59-4700  
Comm.Fish.Rev., 21(3):7-19  
King crab, shrimp and bottom fish  
explorations from Shumagin islands to  
Unalaska, Alaska - summer and fall,  
1957

Results of cruise by charter vessel  
TORDENSKJOLD; gear used, station list  
& chart; fishing results, especially  
for Paralithodes camtschatica, other  
crabs, Pandalus & Pandalopsis spp. &  
various fishes.

FAO:sjh

M

Anonymous (1959) 59-4703  
Comm.Fish.Rev., 21(3):31  
California - Dungeness-crab  
distribution and abundance studies  
continued (M/V ALASKA cruise 58A7-Crab)

Contents as per title.

FAO:

M

Anonymous (1959) 59-4701  
Comm.Fish.Rev., 21(3):26-8  
California - Aerial census of  
commercial and sport fishing  
continued

Contents as per title.

FAO:

M

Anonymous (1959) 59-4704  
Comm.Fish.Rev., 21(3):32  
California - Petrale and English sole  
tagged in coastal waters (M/V N.B.  
SCOFIELD cruise 58-S-8-Trawl)

Contents as per title.

FAO:

M



Anonymous (1959) 59-4705  
Comm. Fish. Rev., 21(3):34-5  
Florida - Fisheries research

FAO: M

Anonymous (1959) 59-4708  
Comm. Fish. Rev., 21(3):36-7  
Gulf exploratory fishery program -  
Northeast Gulf of Mexico surveyed  
for industrial fish stocks (M/V  
SILVER BAY cruise 13)

Contents as per title.

FAO: M

Anonymous (1959) 59-4706  
Comm. Fish. Rev., 21(3):35  
Florida - Grant received for research  
on cusk eels

Contents as per title.

FAO: M

Anonymous (1959) 59-4709  
Comm. Fish. Rev., 21(3):38-41  
Gulf fishery investigations

Notes on: fish & shellfish tested  
for insecticide tolerance; bait  
shrimp fishery; shrimp tagging;  
Tortugas pink shrimp; fishing power &  
vessel characteristics; preliminary  
survey of Gulf shrimp fishing trends,  
1956-58; red tide studies, menhaden;  
& industrial fishes.

FAO: sjh M

Anonymous (1959) 59-4707  
Comm. Fish. Rev., 21(3):36  
Florida - Study of marine yeasts of  
Biscayne bay

Contents as per title.

FAO: M

Anonymous (1959) 59-4710  
Comm. Fish. Rev., 21(3):43  
North Atlantic fisheries  
investigations - Block island sound  
area surveyed for industrial fish  
(M/V ALBATROSS III cruise 125)

Contents as per title.

FAO: M

Anonymous (1959) 59-4711  
Comm.Fish.Rev., 21(3):43  
Oysters - Chesapeake bay oyster studies  
Contents as per title.

FAO

M

Anonymous (1959) 59-4714  
Comm.Fish.Rev., 21(3):44  
Pacific oceanic fishery  
investigations - Contract awarded for  
test of commercial live-bait tuna  
fishing in Marquesas area  
Contents as per title.

FAO:

M

Anonymous (1959) 59-4712  
Comm.Fish.Rev., 21(3):43-4  
Oysters - European variety thrives in  
Maine waters  
Contents as per title.

FAO:

M

Anonymous (1959) 59-4715  
Comm.Fish.Rev., 21(3):44-5  
Pacific oceanic fishery  
investigations - Ecology of  
albacore tuna  
Contents as per title.

FAO:

M

Anonymous (1959) 59-4713  
Comm.Fish.Rev., 21(3):44  
Oysters - Studies on raft culture  
Contents as per title.

FAO:

M

Anonymous (1959) 59-4716  
Comm.Fish.Rev., 21(3):45  
Pacific oceanic fishery  
investigations - Observations on  
tuna behavior  
Contents as per title.

FAO:

M

Anonymous (1959) 59-4717  
Comm.Fish.Rev., 21(3):45-6  
Sardines - California catch samples  
show two dominant year-classes  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4720  
Comm.Fish.Rev., 21(3):47-8  
Striped bass - Federal and state  
biologists tag large fish on Potomac  
  
Contents as per title.

FAO: F

Anonymous (1959) 59-4718  
Comm.Fish.Rev., 21(3):46  
Sea lamprey - Declined in certain  
great lakes in 1958  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-4721  
Comm.Fish.Rev., 21(3):48  
Tuna - California tuna clipper  
returns from trial trip off African  
west coast  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-4719  
Comm.Fish.Rev., 21(3):46  
Shad - Connecticut river runs  
predicted  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-4722  
Comm.Fish.Rev., 21(3):57  
International - Latin America Pacific  
coast algae being studied  
  
Contents as per title.

FAO: M



Anonymous (1959) 59-4723  
Comm.Fish.Rev., 21(3):57-8  
International - North Pacific fur-  
seal research

Contents as per title.

FAO.

M

Anonymous (1959) 59-4726  
Comm.Fish.Rev., 21(3):59  
Brazil - Fishing operations by  
Japanese expand

Contents as per title.

FAO.

M

Anonymous (1959) 59-4724  
Comm.Fish.Rev., 21(3):58-9  
Whaling - Norway and Netherlands  
announce conditional withdrawal  
from whaling convention

Contents as per title.

FAO.

M

Anonymous (1959) 59-4727  
Comm.Fish.Rev., 21(3):61-2  
Canada - East coast scallop fishery  
trends, 1957

Contents as per title.

FAO

M

Anonymous (1959) 59-4725  
Comm.Fish.Rev., 21(3):59  
Australia - Reaction to Russian  
whaling fleet expansion

Contents as per title.

FAO.

M

Anonymous (1959) 59-4728  
Comm.Fish.Rev., 21(3):62  
Canada - Prospects for North Atlantic  
haddock catch

Contents as per title.

FAO.

M

Anonymous (1959) 59-4729  
Comm.Fish.Rev., 21(3):63  
Canada - Transplanted British oysters  
grow in Atlantic waters

Contents as per title.

FAO:

M

Anonymous (1959) 59-4732  
Comm.Fish.Rev., 21(3):65  
Cuba - Development of bonito  
fishery

Contents as per title.

FAO:

M

Anonymous (1959) 59-4730  
Comm.Fish.Rev., 21(3):63-4  
Chile - Northern area has good  
prospects for fisheries development

Contents as per title.

FAO:

M

Anonymous (1959) 59-4733  
Comm.Fish.Rev., 21(3):66-8  
German Democratic Republic - Fishing  
fleet expansion includes plans for  
20 large stern trawlers

Contents as per title.

FAO:

M

Anonymous (1959) 59-4731  
Comm.Fish.Rev., 21(3):64-5  
Costa Rica - Amendments to maritime  
fish and game law

Contents as per title.

FAO:

M

Anonymous (1959) 59-4734  
Comm.Fish.Rev., 21(3):68  
Ghana - Plans for development of  
fisheries

Contents as per title.

FAO:

M

Anonymous (1959) 59-4735  
Comm.Fish.Rev., 21(3):68-9  
Guatemala - United States firm plans  
to fish for shrimp in Guatemalan waters

Contents as per title.

FAO: M

Anonymous (1959) 59-4736  
Comm.Fish.Rev., 21(3):69-71  
Hong Kong - Shrimp fishing industry

Contents as per title.

FAO: M

Anonymous (1959) 59-4737  
Comm.Fish.Rev., 21(3):71  
Iceland - Fisheries trends, December  
1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4738  
Comm.Fish.Rev., 21(3):71  
Iceland - Fisheries trends,  
January 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-4739  
Comm.Fish.Rev., 21(3):71-3  
India - Development of marine  
fisheries conference

Contents as per title.

FAO: M

Anonymous (1959) 59-4740  
Comm.Fish.Rev., 21(3) 73  
Iran - Proposes 12-mile territorial  
sea off coast

Contents as per title.

FAO: M



Anonymous (1959) 59-4741  
Comm.Fish.Rev., 21(3):73  
Ireland - Five-year plan provides  
US\$8.4 million for fisheries  
development

Contents as per title.

FAO:

M

Anonymous (1959) 59-4744  
Comm.Fish.Rev., 21(3):74-5  
Japan - Reaction to North Pacific  
salmon conferences

Contents as per title.

FAO:

MF

Anonymous (1959) 59-4742  
Comm.Fish.Rev., 21(3):73  
Israel - Trawlers to fish off Canary  
islands

Contents as per title.

FAO:

M

Anonymous (1959) 59-4745  
Comm.Fish.Rev., 21(3):76-7  
Japan - Tuna industry and control  
of Atlantic tuna fishing and  
exporting

Contents as per title.

FAO:

M

Anonymous (1959) 59-4743  
Comm.Fish.Rev., 21(3):74  
Japan - Fishing industry recommendations  
for conference with Russia

Contents as per title.

FAO:

MF

Anonymous (1959) 59-4746  
Comm.Fish.Rev., 21(3):77-8  
Republic of Korea - Fisheries trends,  
December 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-4747  
Comm.Fish.Rev., 21(3):78-9  
Mexico - Bureau of fisheries may be  
transferred to Ministry of Industry and  
Commerce in 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-4750  
Comm.Fish.Rev., 21(3):79  
Mexico - West coast shrimp fishery  
trends, December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4748  
Comm.Fish.Rev., 21(3):79  
Mexico - Merida shrimp fishery trends,  
December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4751  
Comm.Fish.Rev., 21(3):79-80  
Morocco - Agar-agar industry

Contents as per title.

FAO: M

Anonymous (1959) 59-4749  
Comm.Fish.Rev., 21(3):79  
Mexico - Veracruz fishery trends,  
October-December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4752  
Comm.Fish.Rev., 21(3):80-4  
Morocco - Status of fisheries

Contents as per title.

FAO: M

Anonymous (1959) 59-4753  
Comm.Fish.Rev., 21(3):85  
Norway - Purse seiners using more  
nylon nets in winter herring fishery

Contents as per title.

FAO:

M

Anonymous (1959) 59-4756  
Comm.Fish.Rev., 21(3):86  
Panama - Decree extends territorial  
waters to 12 miles

Contents as per title.

FAO:

M

Anonymous (1959) 59-4754  
Comm.Fish.Rev., 21(3):85  
Norway - Seine fishing in the Lofoten  
area prohibited

Contents as per title.

FAO:

M

Anonymous (1959) 59-4757  
Comm.Fish.Rev., 21(3):86  
Peru - Hunting for sea lions  
prohibited

Contents as per title.

FAO:

M

Anonymous (1959) 59-4755  
Comm.Fish.Rev., 21(3):85-6  
Panama - Bait fishing permitted in  
1958-59 closed season

Contents as per title.

FAO:

M

Anonymous (1959) 59-4758  
Comm.Fish.Rev., 21(3):86-7  
Philippines - Fisheries development  
aided by intense research program

Contents as per title.

FAO:

M



Anonymous (1959) 59-4759  
Comm.Fish.Rev., 21(3):88  
Spain - California-type tuna clipper  
starts winter season with good trip

Contents as per title.

FAO: M

Anonymous (1959) 59-4762  
Comm.Fish.Rev., 21(3):90  
Spain - Rehabilitation of shellfish  
resources planned

Contents as per title.

FAO: M

Anonymous (1959) 59-4760  
Comm.Fish.Rev., 21(3):88  
Spain - Cod fishery trends

Contents as per title.

FAO: M

Anonymous (1959) 59-4763  
Comm.Fish.Rev., 21(3):90-1  
Spain - Tuna fishing vessels  
operating off Dakar again in 1958/59

Contents as per title.

FAO: M

Anonymous (1959) 59-4761  
Comm.Fish.Rev., 21(3):89  
Spain - New fisheries laboratory in  
Barcelona under construction

Contents as per title.

FAO: M

Anonymous (1959) 59-4764  
Comm.Fish.Rev., 21(3):91  
Spain - Vigo fisheries trends,  
November 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-4765  
Comm.Fish.Rev., 21(3):91  
Sweden - Herring catch for 1958 off  
Iceland fair

Contents as per title.

FAO:

M

Anonymous (1959) 59-4768  
Comm.Fish.Rev., 21(3):93  
United Kingdom - First transom stern  
trawler built

Contents as per title.

FAO:

M

Anonymous (1959) 59-4766  
Comm.Fish.Rev., 21(3):92  
Union of South Africa - New sardine  
research vessel

Contents as per title.

FAO:

M

Anonymous (1959) 59-4769  
Comm.Fish.Rev., 21(3):93-5  
United Kingdom - Government plans aid  
to pilchard industry

Contents as per title.

FAO:

M

Anonymous (1959) 59-4767  
Comm.Fish.Rev., 21(3):92-3  
United Kingdom - Experiments to  
extend the life of salmon

Contents as per title.

FAO:

MF

Anonymous (1959) 59-4770  
Comm.Fish.Rev., 21(3):95  
United Kingdom - Renewal of  
negotiations on Iceland's fishing  
limits extension to 12 miles proposed

Contents as per title.

FAO:

M

Anonymous (1959) 59-4771  
Comm.Fish.Rev., 21(3):95-6  
Venezuela - Pearl fishing grounds  
opened

Contents as per title.

FAO

Godfrey, H. (1959) 59-4774  
J.Wildlife Mgmt, 22:245-6  
Living resources of the sea

Review of 582527.

FAO

Anonymous (1959) 59-4772  
Comm.Fish.Rev., 21(3):101-2  
Department of State - United States  
delivers note to Panama on 12-mile  
territorial sea law

Contents as per title.

FAO

Anonymous (1959) 59-4775  
Caribbean, 13:39  
Shrimp fishing result satisfactory -  
Surinam

A short note on successful shrimp  
fisheries in Surinam. Recently  
catches have been as high as 21 tons  
a day.

FAO:hr

MF

Jackson, H.O. & 59-4773  
W.C. Starrett (1959)  
J.Wildlife Mgmt, 23:157-68  
Turbidity and sedimentation at lake  
Chautauqua, Illinois

Discussion of the role of fish  
activity & wind induced water motion  
in disturbing the "false bottom" of  
this lake, & of the role of vegetation;  
& examination of the effect of  
turbidity on the fish populations.

FAO:glk

F

King, G.C. (1959) 59-4776  
New Phytol., 58(1):20-8  
The nucleoli and related structures  
in the desmids

The nucleoli of nineteen spp. from  
thirteen genera of desmids have been  
investigated, & in these, 4 main  
types of nucleolar structure have  
been found. The activity of the  
nucleoli during mitosis & the  
presence of nucleolar-organizing  
chromosomes is described.

FAO:gck

F



Trainor, F.R. (1959) 59-4777  
Amer.J.Bot., 46:65-70  
 A comparative study of sexual reproduction in four species of Chlamydomonas

Control of sexuality of 3 spp. by the level of ammonium nitrate in the medium & data on the influence of nitrogen level illumination & inter-fertility on the sexual reproduction of the spp.

FAO:tl

M

Glover, R.E. (1959) 59-4780  
J.geophys.Res., 64:457-9  
 The pattern of fresh-water flow in a coastal aquifer

Formulas are developed for the flow pattern followed by the seaward-moving fresh ground water as it nears a beach. It is found that, under steady flow conditions, a sharply defined interface is formed between the fresh & salt water.

TL:reg

MF

Hope, E.R. (1959) 59-4778  
J.geophys.Res., 64:407-27  
 Geotectonics of the Arctic ocean and the great Arctic magnetic anomaly

A tentative description of the structure of the Arctic ocean floor is presented, in terms of recent data from Soviet sources & of certain representative Soviet theories of Arctic tectonics. 2 theories of the great Arctic magnetic anomaly are compared.

TL:erh

M

Cooper, H.H., Jr. (1959) 59-4781  
J.geophys.Res., 64:461-7  
 A hypothesis concerning the dynamic balance of fresh water and salt water in a coastal aquifer

Theoretical study of the dispersion of salts produced by reciprocative motion of the salt-water front & the influence of head losses on the distribution of salt water in the aquifer.

TL:tl

MF

Hunt, J.N. (1959) 59-4779  
J.geophys.Res., 64:437-42  
 On the damping of gravity waves propagated over a permeable surface

The problem of the damping of small amplitude gravity waves propagated over a permeable sea bed is examined in terms of viscous-flow theory.

TL:jnh

M

Ryhänen, R. (1959) 59-4782  
Suomen Kalastuslehti, 66:37-9  
Sähkökalastus (Electrical fishing)

Continuation from 59-4052.

FAO:

MF

Orpana, V. (1959) 59-4783  
Suomen Kalastuslehti, 66:40-5  
Järvi-aiminen kasvatuskokeiluista  
 Keski-Suomessa (Lake trout fish-  
 cultural experience in Middle Finland)

Summary of experience gained in  
 culture of lake trout in ponds of  
 different size, on different ground &  
 with different physical-chemical  
 characters of water. Growth &  
 mortalities of trout of various age are  
 given.

FAO:tl

F

Fingerman, M., M.B. Lowe 59-4786  
 & B.I. Sundararaj (1959)  
Biol.Bull., Woods Hole, 116(1):30-6  
Dark-adapting and light-adapting  
hormones controlling the distal  
retinal pigment of the prawn  
Palaemonetes vulgaris

The aim of the investigation was to  
 provide direct evidence for a distal  
 retinal pigment dark-adapting hormone  
 in Palaemonetes.

FAO:mf

M

Chang, J.J. & 59-4784  
 F.H. Johnson (1959)  
Biol.Bull., Woods Hole, 116(1):1-14  
 The influence of pressure, temperature  
 and urethane on the luminescent flash  
 of Mnemiopsis leidyi

Study of pressure effect on flash  
 height at constant & at different  
 temperatures & influence of urethan on  
 flash responses at various pressures.

FAO:tl

M

Flemister, S.C. (1959) 59-4787  
Biol.Bull., Woods Hole, 116(1):37-48  
Histophysiology of gill and kidney  
of crab Ocypode albicans

Investigation of the histophysiology  
 of gill, kidney & branchial  
 epithelium of Ocypode albicans was  
 undertaken with the special objective  
 of examining their role in the  
 transfer of the chloride ion.

FAO:scf

M

Davis, C.C. (1959) 59-4785  
Biol.Bull., Woods Hole, 116(1):15-29  
Osmotic hatching in the eggs of some  
fresh-water copepods

Description of experiments indicating  
 the osmotic nature of hatching; test  
 of the permeability of the egg membranes  
 observations on the bursting of the  
 inner egg membrane & attempts to  
 demonstrate the existence of a hatching  
 enzyme.

FAO:tl

F

Giese, A.C. & al. (1959) 59-4788  
Biol.Bull., Woods Hole, 116(1):49-58  
Organic productivity in the  
reproductive cycle of the purple sea  
urchin

Study of the increase in organic  
 constituents in the gonads during  
 their growth, to measure the  
 organic productivity of the sea  
 urchin.

FAO:tl

M

Goreau, T.F. (1959) 59-4789  
Biol.Bull., Woods Hole, 116(1):59-75  
The physiology of skeleton formation  
in corals - I. A method for measuring  
the rate of calcium deposition by  
corals under different conditions

Description of a rapid method for  
measuring the rate of incorporation of  
calcium into the coral skeleton under  
controlled laboratory conditions using  
calcium-45 as tracer. Results of some  
preliminary experiments are reported.

FAO:tl

M

Jones, N.S. & 59-4792  
W.D. Burbank (1959)  
Biol.Bull., Woods Hole, 116(1):115-24  
Almyracuma proximoculi gen. et sp.  
nov. (Crustacea, Cumacea) from  
brackish water of Cape Cod,  
Massachusetts

Description of the sp., systematic  
remarks, habitat & general ecology.

FAO:tl

MF

Green, J.W. & al. (1959) 59-4790  
Biol.Bull., Woods Hole, 116(1):76-87  
The regulation of water and salt by the  
fiddler crabs, Uca pugnax and Uca  
pugilator

Report of detailed study of the  
response of the body fluids & tissues  
of Uca pugnax & U. pugilator to  
prolonged exposure to concentrated  
sea water.

FAO:jwg

M

Kleinholz, L.H. (1959) 59-4793  
Biol.Bull., Woods Hole, 116(1):125-35  
Purines and pteridines from the  
reflecting pigment of the arthropod  
retina

Identification of chemical components  
of the reflecting pigment in the  
retina of lobster, Homarus americanus,  
& chelicerate, Limulus polyphemus.

FAO:tl

M

Jenkins, M.M. (1959) 59-4791  
Biol.Bull., Woods Hole, 116(1):106-14  
The effects of thiourea and some  
related compounds on regeneration in  
planarians

Study of the rate of growth of a new  
tail by the body, & of the time  
required for the appearance &  
development of the regenerated organs  
in the newly formed worm.

FAO:tl

F

Leedale, G.F. (1959) 59-4794  
Biol.Bull., Woods Hole, 116(1):162-74  
Periodicity of mitosis and cell  
division in the Euglenineae

Deals with the periodicity of mitosis  
revealed in the 20 spp. studied in  
detail for this feature, &  
relationship of the periodicity to  
the day-night cycle.

FAO:gfl

F



Scheer, B.T. (1959) 59-4795  
Biol.Bull., Woods Hole, 116(1):175-83  
 The hormonal control of metabolism in crustaceans - IX. Carbohydrate metabolism in the transition from intermoult to premoult in Carcinides maenas

A study of a laboratory population of approximately 100 specimens of the crab Carcinides (= Carcinus) maenas, in which the content of total carbohydrate, total soluble polysaccharide, blood carbohydrate, blood lipochromes, & total non-protein nitrogen was

Tartar, V. (1958) 59-4798  
J.exp.Zool., 139(1):1-31  
 Induced resorption of oral primordia in regenerating Stentor coeruleus

Experimental work to test whether the regeneration primordium can be inhibited or reversed by grafting regenerators to non-differentiating stentors.

FAO:glk

F

59-4796  
 (Card 2)  
 determined on the individuals in samples drawn at intervals from the population.

FAO:bts

M

Ham, R.G. & 59-4799  
 R.E. Eakin (1958)  
J.exp.Zool., 139(1):33-53  
 Time sequence of certain physiological events during regeneration in hydra

Experimental exposure of regenerating hydra to appropriate inhibitors for short intervals at various times during regeneration, from which to demonstrate the times during the regenerating period at which various processes are active.

FAO:glk

M

Stunkard, H.W. & 59-4797  
 J.R. Uzzmann (1959)  
Biol.Bull., Woods Hole, 116(1):184-93  
 The life-cycle of the digenetic trematode, Proctoeces maculatus (Looss, 1901) Odhner, 1911 /Syn. P. subtenuis (Linton, 1907) Hanson, 1950/, and description of Cercaria adranocerca n. sp.

Taxonomic description & life histories of the spp. which are parasites of clams, especially in Mytilus edulis.

FAO:tl

M

Ham, R.G. & 59-4800  
 R.E. Eakin (1958)  
J.exp.Zool., 139(1):55-68  
 Loss of regenerative capacity in hydra treated with lipoic acid

Detailed account of the establishment of morphological stability in hydra exposed to lipoic acid which permanently blocks regeneration without any signs of toxicity to the organism.

FAO:glk

M

McLellan, H.J. & 59-4801

L. Lauzier (1957)  
Pêche marit., 36(948):104  
Refroidissement probable des eaux dans  
l'Atlantique du nord-ouest (The  
water in the north-west Atlantic will  
probably cool down)

Long-term trends can be forecast with  
some confidence. Considering the cyclic  
nature of variations in the past & the  
fact that a marked cooling has already  
begun farther North, a net downward  
trend in water temperatures around  
eastern Canada is predicted for the  
next 20 to 25 years.

:icnaf

M

Hansen, P.M. (1957) 59-4804

Copenhagen,  
Fiskeribiologiske undersøgelser 1956  
(Fishery investigations in 1956)

Summarizes extent & results of  
investigations in Greenland waters in  
1956 (Annu.Proc.I.C.E.A.F., 7, 1957).  
Age distribution of cod in coastal  
waters & fjords is represented in  
detail & researches on herring,  
salmon & trout are incl.

:icnaf

MF

Poirier, M. (1957) 59-4802

Actualités mar., 1(3):26-8  
L'océanographie et les pêcheries  
(Oceanography and fisheries)

Short review of effects of temperature  
on distribution of cod, herring &  
redfish.

:icnaf

M

Posgay, J.A. (1957) 59-4805

Nautilus, 71(2):55-7  
The range of the sea scallop

From the north shore of the gulf of  
St. Lawrence to Cape Hatteras.

:icnaf

M

Cushing, J.E., G.J. Ridgway 59-4803

& G.L. Durall (1957)  
Biol.Bull., Woods Hole, 113(2):343-4  
The preservation of intact erythrocytes  
of marine vertebrates for blood  
group research

Use of glycerol-freezing technique.

FAO:icnaf

M

Ronald, K. (1957) 59-4806

Canad.J.Res.(Zool.), 35(6):747-50  
The metazoan parasites of the gulf  
of St. Lawrence - II. Intobdella  
curvunca sp. nov. (Trematoda:  
Capsalidae)

E. curvunca sp. nov., trematoda:  
Capsalidae, is described from  
Hippoglossus hippoglossus from the  
gulf of St. Lawrence.

:icnaf

M

Scattergood, L.W. (1957) 59-4807  
Fish.Res.Bull., Me., (26):108 p.  
A bibliography of the herring (Clupea harengus and C. pallasii)

Primarily biology. Emphasis on  
NW Atlantic. Not annotated.

:icnaf

II

Sindermann, C.J. (1957) 59-4810  
J.Parasitol., 43(5):Suppl.42  
Myxosporidiosis in immature sea  
herring from the gulf of Maine

III

Scattergood, L.W. (1957) 59-4808  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(227):66 p.  
English translations of fishery  
literature. Additional listing, 1957

A continuation of series begun by  
Washington State Department of  
Fisheries & continued by the US Fish  
& Wildlife Service.

:icnaf

M

Sindermann, C.J. (1957) 59-4811  
J.Parasitol., 43(5):Suppl.43  
Studies on the pathogenicity of  
Ichthyosporidium hoferi, fungus  
parasite of fishes

M

Sindermann, C.J. (1957) 59-4809  
Anat.Rec., 128(3):622  
Mass mortalities of marine fishes in  
the gulf of St. Lawrence, 1954-1956

II

Smidt, E. (1957) 59-4812  
Greenland, 1957  
De grønlandske rejefelters natur-  
historie. Rejebestand og rejefiskeri  
ved Grønland (The natural history  
of the Greenlandic prawn grounds.  
Prawn stock and prawn fishery at  
Greenland)

Summarizes biology of Pandalus borealis in West Greenland waters,  
stressing the slow development in  
connection with the low temperature of  
the sea. The prawn grounds & the  
special community of animals inhabiting  
it are described. The Greenland prawn



59-4812  
(Card 2)  
fishery is described for the 3 main  
areas.

:icnaf

M

Norway. Fiskeridirektøren (1957) 59-4816  
Bergen  
Norges fiskerier, 1955 (Fishery  
statistics of Norway, 1955). En

Text & tables reporting the statistical  
data on efforts & yields of the  
Norwegian fisheries in 1955. Tables  
XIX & XX give data on efforts & yields  
of the fishery with lines & trawls  
respectively in the West-Greenland  
waters.

:icnaf

M

Somerville, G.M. & 59-4814  
L.M. Dickie (1957)  
Circ. Atlant. biol. Sta., (30):4 p.  
Offshore scallop explorations - 1957

Describes positions & catches from  
scallop beds on St. Pierre Bank &  
eastern Nova Scotia banks.

:icnaf

M

Anonymous (1957) 59-4817  
Ber. v. Grønland, Copenhagen, (9)  
Fiskeriernes gang i 1956 (The  
Greenlanders' fisheries in 1956)

A survey by districts. Incl.  
statistical tables showing landings  
& efforts, as well as tables indicating  
the commercial culling of the cod, &  
the quantities of cod used for salt  
fish, dried fish & fillets. Also  
incl. information on: halibut,  
Greenland halibut, wolffish, sharks,  
salmon, lumpfish, shrimp & others.

:icnaf

MF

Wise, J.P. (1957) 59-4815  
Trans. Amer. Fish. Soc.,  
Movements of cod from New Jersey winter  
fishing grounds to New England banks

Preliminary results of tagging  
experiments with internally anchored  
Lea tags.

:icnaf

M

Anonymous (1957) 59-4818  
Gab. Estudos das Pescas Lisbon, (34)  
Statistical account of Portuguese  
fisheries, 1938-1956. En Pr

Ill. in text, tables & figures the  
great development of the Portuguese  
fisheries during the period 1938-56  
when a renewal of the fleet & a re-  
organization of the fishing industry  
resulted in an increased production.  
By far the largest part of this  
development concerns the cod fishing  
fleet, operating in the ICNAF area.

:icnaf

M

Anonymous (1957) 59-4819  
World Fish., 6(4):40-1  
Asdic's future in fish finding

Discussion of the use of Asdic & of a suggestion to commission of fish-searching vessel.

FAO:glk

M

Hardy, E. (1957) 59-4822  
World Fish., 6(9):64  
Seabirds: the Guillemot family

Appearance, distribution & habits of this bird.

FAO:glk

M

von Brandt, A. (1957) 59-4820  
World Fish., 6(4):48-9  
Shell fishing methods in Brittany

Ill. account of lobster pots & creels, & crab nets.

FAO:glk

M

Burdon, T.W. (1957) 59-4823  
World Fish., 6(9):78-84  
Fishing is developing fast in Singapore

General account of industry, grounds fished, methods used, disposal of catch.

FAO:glk

M

Anonymous (1957) 59-4821  
World Fish., 6(9):44-6  
Why no porbeagle shark fishery?

Review of the results of a prospecting cruise made by the BETTY LESLIE under the auspices of the White Fish Authority & discussion of why the prospects which it indicated were not pursued.

FAO:glk

M

Balls, R. (1958) 59-4824  
World Fish., 7(2):62-6  
Overfishing or overfeeding? (3)

Continuation of 59-2717, discussing raciation, age composition, & hydrographic changes.

FAO:glk

M

The Conservation  
Foundation (1959)  
New York, 30 p.  
Annual report 1958

59-4826

Account of the activities of this foundation, concerned with promotion of greater knowledge of the earth's resources, in the year 1958 during which "Living Resources of the Sea" by Walford, 582527, was published.

FAO:glk

MF

Rosenthal, H.L., P.R. Myers 59-4828  
& M.K. Brunings (1958)  
J.Hered., 49:238-42  
Spinal curvature - A mutation in the swordtail, Xiphophorus

Describes the spontaneous appearance of inherited spinal curvature in Mexican swordtail hybrids, similar to that described previously for Lebistes.

FAO:glk

F

Gelfand, D.P. (Comp.) (1958) 59-4826  
Washington, D.C., 340 p.  
A Directory of Medical and Biological Research Institutes of the USSR

Gives name & address of institutions & name of director, or, in the case of University institutions, the names of occupants of chairs.

FAO:glk

MF

Menzel, R.W. (1958) 59-4829  
J.Hered., 49:284  
Further notes on the albino catfish

Record of observations of albino Ictalurus punctatus (Raf.).

FAO:glk

F

Deacon, G.E.R. (1959) 59-4827  
Unesco Chron., 5(1-2):5-8  
The future of marine sciences

Note on some aspects of oceanographic research & on how such research can be promoted, as background to the plans for the Unesco intergovernmental meeting, 1960, on international oceanographic vessels & the development of marine sciences.

FAO:glk

M

Western Australia. 59-4830  
Fisheries Department (1958)  
Monthly Service Bulletin, 7(12):141-52

Notes on staff and their activities, & on administrative actions - issuance of licenses etc. -; current notes on local fisheries & miscellaneous information - drawn from periodicals - from abroad.

GLK:glk

MF



Lane, C.E. (1959)  
Sea Frontiers, 5(1):7-13  
Cobra of the sea

59-4831

Semipopular description of Portuguese  
man-of-war, Physalia physalis, & its  
poisonous effects on man & marine  
animals.

FiB:tl

Long, E.J. (1959)  
Sea Frontiers, 5(1):41-54  
Gold in them thar waves!

59-4834

Popular review of the applied  
chemistry of sea water & economical  
deposits on sea floor.

FiB:tl

M

Suarez-Caabro, J.A. (1959) 59-4832  
Sea Frontiers, 5(1):14-22  
Oceanography in Cuba

Notes on the available facilities,  
work in progress & future plans.

FiB:tl

M

Randall, J.E. (1959) 59-4835  
Sea Frontiers, 5(1):55-6  
Fish imitates porcupine

Popular review of porcupine fish.

FiB:tl

M

Miller, S. (1959) 59-4833  
Sea Frontiers, 5(1):23-35  
Hidden enemy in our harbors

Popular account of ecology & life  
histories of Teredinidae, Limnoria  
& Sphaeroma; damage done by them &  
measures taken to protect marine  
structures.

FiB:tl

M

Chokder, A.H. (1958) 59-4836  
Agric.Pakist., 9:259-309  
Pond weeds of East Pakistan and their  
propagation

A preliminary catalogue of aquatic  
plants, containing a key to the  
identification of spp., short  
description of the forms with notes  
on propagation, distribution &  
vernacular names. A glossary of  
botanical terms is incl.

FAO:hr

F

Garcia del Cid, F. (1957) 59-4837  
Inst.de Investigaciones Pesqueras,  
Castellon

III Reunion sobre productividad y  
pesqueras (3rd meeting on  
productivity and fisheries)

Incl. summaries of a number of  
lectures given at the meeting & of the  
following discussions. The majority  
of the lectures deal with problems  
connected with the Spanish home fishery  
& with relevant biological & hydro-  
graphic researches. Incl. the following  
papers: 59-3445, 59-3446, 59-4838,  
59-4839 & 59-4840.

:icnaf

M

Arte, P. (1958) 59-4840  
In "III Reunion sobre Productividad  
y Pesqueras", by Garcia del Cid, F.,  
Instituto de Investigaciones  
Pesqueras, Castellon

Ayuda que puede prestar al estudio  
de las pesqueras la anotacion de las  
descargas totales en puerto  
(Possible help for the study of the  
fisheries from the annotation of  
total landings in ports)

M

Margalef, R. (1957) 59-4838  
In "III Reunion sobre Productividad y  
Peşqueras", by Garcia del Cid, F.,  
Instituto de Investigaciones Pesqueras,  
Castellon  
Productividad y sucesion  
(Productivity and foodchain)

M

Rollerfson, G. (1957) 59-4841  
J.Cons.int.Explor.Mer, 23(1):  
International Fisheries Convention  
1946: report of the Ad Hoc Committee  
established at the fourth meeting  
of the Permanent Commission,  
September 1955

Deals with: 1) Selectivity of meshes;  
2) Assessment of long-term effects of  
applying various codend mesh sizes;  
3) Assessment of immediate effects of  
applying various codend mesh sizes;  
4) Report on size limits in relation  
to the above results; 5) Alterations  
or additions to annex II or article 6

Suau, P. (1957) 59-4839  
In "III Reunion sobre Productividad y  
Pesqueras", by Garcia del Cid, F.,  
Instituto de Investigaciones Pesqueras,  
Castellon  
Prevision de cosechas por metodos  
ictiologicos (Prediction of yields  
based on biological research methods)

M

59-4841  
(Card 2)  
of the convention, concerning what  
species of fish to include in the  
list of spp. to be protected by size-  
limits; 6) Recommendations for  
further research. Gives a clear &  
most valuable survey of the results  
of the researches carried out in  
connection with regulation of  
fisheries.

:icnaf

M

Long, C.W. & 59-4843  
 R.A. Arzylowics (1957)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
 (22C) 17 p.  
 Photographic device for accurately  
 measuring fish

A photographic measuring device using  
 2 cameras & strobe illumination is  
 accurate to  $\pm 0.05$  centimeters with  
 ideal subjects.

icnaf

MF

Taylor, C.C. (1957) 59-4846  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
 (213) 147 p.  
 History of great fishery of  
 Newfoundland

English translation of original  
 article in French by R. de Loture,  
 1949.

M

Meseck, G. (1957) 59-4844  
Allg.FischwirtschaftZtg., 9(12):  
 Seefischerei vor den Aufgaben unserer  
 Zeit (Sea-fishery in relation to  
 problems of our time)

Deals in summary form with the possible  
 extent to which the resources of the  
 sea & especially its resources of fish  
 can help mankind to meet the  
 increasing demands for food & raw  
 materials. Stresses the necessity for  
 close international cooperation. 2nd  
 section deals more especially with the  
 problems of the German fisheries &

Anonymous (1958) 59-4847  
World Fish., 7(5):39-40  
 Shrimp research proves case for  
 22/23 mm mesh - Comparative trials  
 carried out by Burnham Lab.

Notice of 583144.

FAO glk

M

59-4844  
 (Card 2)  
 their solution, & concludes with the  
 statement that the general trend in  
 food consumption points to an  
 increasing use of fish.

icnaf

M

de Scissons, M. (1958) 59-4848  
World Fish., 7(5):50-1  
 Africa's man-made lakes - Commercial  
 fisheries facing problems

Brief description of Kariba dam &  
 discussion of its use for fisheries,  
 referring to the problem of  
 predators, gear to use, times of  
 fishing, & markets.

FAO 111

F



Anonymous (1958) 59-4849  
World Fish., 7(7):43,73  
The whys and wherefores of the plaice  
transplantation experiments

Description of the experiments &  
explanation of their purpose.

FAO:glk

M

Kanaev, V.F. (1959) 59-4852  
C.R.Acad.Sci.U.R.S.S., 125:1115-8  
Novye dannye o rel'efe dna  
tsentral'noi chast'i Karolinskoi  
kotloviny (Recent data on the  
bottom relief of the central part of  
the Caroline trough)

Annotation to follow.

FAO:

M

Bown, J. (1958) 59-4850  
World Fish., 7(7):54-6  
The shark fishery of the Bass strait

Description of the fishery, its  
grounds, boat, gear, markets,  
production.

FAO:glk

M

Neprochnov, Iu.P. (1959) 59-4853  
C.R.Acad.Sci.U.R.S.S., 125:1119-22  
Glubinnoe stroenie zemnoi kory pod  
Chernym morem k iugozapadu ot Kryma  
po seismicheskim dannym (The deep-  
seated structure of the earth crust  
underlying the Black Sea south-west  
of the Crimea from seismic data)

Annotation to follow.

FAO:

M

Singer, B. (1958) 59-4851  
World Fish., 7(8):52, 54  
A pioneer of fishery research -  
Sir D'Arcy Wentworth Thompson

Biographic note of this scientist,  
with reference to the biography of him  
written by Ruth Thompson

FAO glk

MF

Sysoev, N.M. (1959) 59-4854  
C.R.Acad.Sci.U.R.S.S., 125:1123-5  
O techeniakh v okeane (On  
oceanic currents)

Annotation to follow.

FAO

M

Ulanovskii, I.B., N.I. Tarasov 59-4855  
 & Iu.M. Korovin (1959)  
C.R.Acad.Sci.U.R.S.S., 125:1137-40  
 Vliianie morskikh zheludei na korroziyu  
 nerzhaveiushchikh stalei (The  
 effect of sea-acorns upon the corrosion  
 of stainless steels)

Annotation to follow.

FAO:

M

Baburina, E.A. & 59-4858  
 I.D. Kovaleva (1959)  
C.R.Acad.Sci.U.R.S.S., 125:1349-52  
 Stroenie setchatki glaz kaspiiskikh  
 kilek (The structure of the eye  
 retina in Caspian Clupeonellae)

Annotation to follow.

FAO:

M

Buznikov, G.A. (1959) 59-4856  
C.R.Acad.Sci.U.R.S.S., 125:1170-3  
 Vliianie iaitsevykh obolochek na  
 razvitie embrionov v'iuna (On the  
 influence produced by egg-membranes on  
 the development of embryos of  
Misgurnus fossilis)

Annotation to follow.

FAO:

M

Goriacheva, G.I. (1959) 59-4859  
C.R.Acad.Sci.U.R.S.S., 125:1356-8  
 O svoeobraznom al'gologicheskom tipe  
 ravninnoi reki (On the peculiar  
 algological type of a plain river)

Annotation to follow.

FAO:

F

Gusev, A.V., E.B. Zhukov 59-4857  
 & Iu.A. Strelkov (1959)  
C.R.Acad.Sci.U.R.S.S., 125:1174-6  
 O zarazhennosti morskoi parazitami i  
 ego promyslovom ispol'zovanii  
 (On the infestation of Theragra chalcogramma Pal. with parasites, and its use  
 in fishery)

Annotation to follow.

FAO:

M

Dragomirov, N.I. (1959) 59-4860  
C.R.Acad.Sci.U.R.S.S., 125:1374-7  
 Razvitie sistemy neuroepitelial'nykh  
 follikulov u lichinok aral'skogo  
 shipa Acipenser nudiiventris L.  
 (The development of the system of  
 neuro-epithelium follicles in larvae  
 of the Aralian Acipenser nudiiventris  
 Lov.)

Annotation to follow.

FAO:

MF

Buznikov, G.A. (1959) 59-4861  
C.R.Acad.Sci.U.R.S.S., 125:1382-5  
 O funktsional'nom znachenii  
 gialuronidazy v ikre kostistyykh ryb  
 (On the functional role of hyaluro-  
 nidase in the eggs of Teleostei)

Annotation to follow.

FAO:

MF

Tanaka, J. (1958) 59-4864  
Bull.Jap.Soc.sci.Fish., 24:601-7  
 (On the stock of Octopus (Octopus)  
vulgaris Lamarck, on the east coast  
 of Bōso peninsula, Japan).  
Ni En

Biological study using statistical  
 data of the octopus fisheries &  
 based upon the number of specimens  
 taken in Uchiura bay near Kominato,  
 dealing with migrating groups,  
 maturation, breeding season, growth  
 in weight, length-weight relation,  
 diminution of the stock from

Craddock, J.M. & 59-4862  
 C.A.S. Lowndes (1958)  
Prof.Notes met.Off., Lond., (126)  
 A synoptic study of anomalies of  
 surface air temperature over the  
 Atlantic half of the northern  
 hemisphere

M

59-4864  
 (Card 2)  
 fishing & comparing the efficiency  
 of octopus pot & handline.

SJH:glk

M

Hartman, W.D. (1958) 59-4863  
Bull.Peabody Mus., (12):155 p.  
 Natural history of the marine sponges  
 of southern New England

M

Doi, T. (1958) 59-4866  
Bull.Jap.Soc.sci.Fish., 24:608-12  
 (A trial on estimating the abundance  
 of population of the Pacific saury  
Cololabis saira (Breevoort) ).  
Ni En

Estimate of population parameters on  
 the assumptions that natural  
 mortality did not change greatly in  
 recent years & that fluctuations in  
 recruitment are influenced by  
 oceanographic conditions.

SJH:glk

M



Yasuda, H. (1958) 59-4867  
Bull.Jap.Soc.sci.Fish., 24:613-5  
 (Implications of the scale ring - I.  
 The phenomenon of unformed rings on  
 the scales). Ni En

Observations on scales of Carassius  
carassius given insufficient food,  
 with regard to position & number of  
 rings formed on scales at different  
 positions on the body.

SJH:glk

F

Nakagome, J. (1958) 59-4870  
Bull.Jap.Soc.sci.Fish., 24:622-5  
 (Periodical changes of fishing  
 condition and body-length formation,  
 relations between both changes, and  
 the between northern and southern  
 fishing areas of big eyed tuna around  
 Midway, Hawaii, Marshall and Fanning  
 islands). Ni En

Rate of catch, & fork-length  
 frequency composition of catch, by  
 areas, with discussion of the areas  
 from which recruits are drawn.

SJH:glk

M

Choe, S. & 59-4868  
 Y. Ohshima (1958)  
Bull.Jap.Soc.sci.Fish., 24:616-9  
 (The effect of transplantation on the  
 growth and shell form of the stunted  
 Japanese little necked clam, Tapes  
japonica Deshayes). Ni En

SJH:x

Mitani, F. (1958) 59-4871  
Bull.Jap.Soc.sci.Fish., 24:626-31  
 (Studies on the growth and age of the  
 yellow-tail, Seriola quinqueradiata  
 T. & S., found in Japan and the  
 adjacent region - I. A fundamental  
 consideration on age estimation by  
 vertebrae). Ni En

Description of the measurements made  
 & tabulation of results as range, mean  
 & standard deviation & coefficient of  
 variation, of each of the 3 measured  
 parts in each centrum of the vertebral  
 column of a fish 80 cm in fork length.  
 SJH:glk M

Iitaka, Y. (1958) 59-4869  
Bull.Jap.Soc.sci.Fish., 24:620-1  
 On the weight of webbing in water

SJH:x

Takada, K. & 59-4872  
 J. Nishimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:632-5  
 (Studies on the choline in fish - I.  
 Content of choline and the similar  
 substances in fishes). Ni En

Choline-content was estimated for  
 white & red muscles & viscera of  
 various fishes of migrating & demersal  
 habits - Trachurus japonicus,  
Pagrus major, Doryteuthis blackeri,  
Sphyrna zygaena, Cyprinus carpio &  
Scomber japonicus. Its seasonal  
 variation was also measured.

SJH:glk

MF

Takada, K. & 59-4873

J. Nishimoto (1958)  
Bull.Jap.Soc.sci.Fish., 24:636-9  
(Studies on the choline in fish - II.  
Decomposition of choline during the  
spoilage of fish meats). Ni En

Experimental search for the original  
substance of TMA in freshwater &  
marine fish.

SJH:glk

MF

Saito, K. & 59-4876

M. Sameshima (1958)  
Bull.Jap.Soc.sci.Fish., 24:648-50  
(Studies on the biochemical change  
in fish muscle - IX. On the proteolytic  
activity of ordinary and dark muscle).  
Ni En

Studies on Cyprinus carpio, Scomber  
tapeinocephalus, Trachurus japonicus,  
Sphyræna nigripinnus, Chrysophrys  
major, Mustelus griscus.

SJH:glk

MF

Hashimoto, Y. & 59-4874

T. Okaichi (1958)  
Bull.Jap.Soc.sci.Fish., 24:640-4  
Trimethylamine oxide in fish muscle -  
I. The origin of trimethylamine oxide  
in goldfish muscle

Determination of TMO & TMA in the  
muscle of Carassius auratus when fed  
diets free of or containing TMO.

SJH:glk

F

Kikuchi, T. & al. (1958) 59-4877

Bull.Jap.Soc.sci.Fish., 24:651-5  
(Polarographic studies of protein  
contained in aquatic animal - II.  
Specific difference shown in protein  
wave). Ni En

Comparative observations of the wave  
were made using 2 kinds of  
ammoniacal cobaltic solutions  
respectively containing divalent &  
trivalent cobalt.

SJH:tk

M

Hashimoto, Y. & 59-4875

T. Okaichi (1958)  
Bull.Jap.Soc.sci.Fish., 24:645-7  
Trimethylamine oxide in fish muscle -  
II. Trimethylamine oxide in the muscle  
of eels kept in fresh and brackish  
water

Examination of the effect of diet &  
chlorinity of the medium on the TMO  
concentration in the muscle of  
Anguilla rostrata.

SJH:glk

MF

Suyama, M. (1958) 59-4878

Bull.Jap.Soc.sci.Fish., 24:656-9  
(Changes in chemical compositions  
during the maturation of rainbow  
trout eggs). Ni En

Measurement of moisture, pH value,  
total nitrogen, non-protein nitrogen,  
protein nitrogen, ether extractives,  
alcohol-chloroform extractives (crude  
lipides), lipide-phosphorus, lipide-  
nitrogen, ash, & consideration of  
values obtained against maturity as  
indicated by egg diameter & percentage  
that ovary weight was of body weight.  
SJH:glk F

Suyama, M., M. Kaneko 59-4879  
 & H. Omata (1958)  
Bull.Jap.Soc.sci.Fish., 24:660-2  
 (Changes in amino acid composition of  
 protein during the maturation of  
 rainbow trout eggs). Ni En

Contents as per title.

SJH:glk

F

Hirao, S. & al. (1958) 59-4882  
Bull.Jap.Soc.sci.Fish., 24:676-8  
 (Study on the green meat of tuna - II.  
 Quantitative differences of vitamin B  
 group and minerals in kidney between  
 green and normal bodies of yellowfin  
 tuna). Ni En

SJH:x

Migita, M. & 59-4880  
 S. Otake (1958)  
Bull.Jap.Soc.sci.Fish., 24:663-70  
 (Influence of urea upon the binding  
 of some ionic dyes to proteins).  
Ni En

Use of equilibrium dialysis to  
 examine the influence of urea on the  
 binding of methyl orange & methylene  
 blue to fish "actomyosins".

SJH:glk

MF

Hirao, S. & al. (1958) 59-4883  
Bull.Jap.Soc.sci.Fish., 24:679-81  
 (Studies on the green meat of tuna -  
 III. A simple method to distinguish  
 greened body from normal one before  
 cooking). Ni En

SJH:x

Hirao, S. & al. (1958) 59-4881  
Bull.Jap.Soc.sci.Fish., 24:671-5  
 (Study on the green meat of tuna - I.  
 Quantitative differences of vitamin  
 B group and minerals between the green  
 and the normal meat of precooked tuna).  
Ni En

SJH:x

Ando, Y. & 59-4884  
 K. Inoue (1958)  
Bull.Jap.Soc.sci.Fish., 24:682-6  
 (Studies on growth and toxin  
 production of Clostridium botulinum  
 type E in fish products - II. On the  
 nutritional requirements of  
Clostridium botulinum type E).  
Ni En

SJH:x



Tanaka, K. (1959) 59-4885  
Bull.Jap.Soc.sci.Fish., 24:701-4  
(A study on the culture of the  
conchocelis of Porphyra tenera on the  
bottom of the sea). Ni En

Study carried out to establish the  
artificial culturing method of the  
conchocelis phase, using oyster shells  
as substrate, giving observations on  
the development of the filamentous  
thalli.

SJH:glk

M

Asakawa, S. (1959) 59-4888  
Bull.Jap.Soc.sci.Fish., 24:714-8  
(Studies on freshness determination of  
fish meat by the distillation ratio  
of volatile acids - IX. On the  
applicability of D.R. value to the  
determination of the freshness of  
oyster). Ni En

SJH:x

Kobayasi, H. (1959) 59-4886  
Bull.Jap.Soc.sci.Fish., 24:705-7  
(Studies on the scales of scorpaenoid  
fishes - II. Peculiarity in scale  
character of rock fish Apistus  
carinatus (Bloch et Schneider) ).  
Ni En

Contents as per title.

SJH:glk

M

Hashimoto, K. & 59-4889  
F. Matsuura (1959)  
Bull.Jap.Soc.sci.Fish., 24:719-23  
Multiple hemoglobins in fish

Demonstration of the presence of  
these haemoglobins in Seriola  
quinqueradiata, Makaira mitsukurii,  
Oncorhynchus keta, Salmo irideus &  
Cyprinus carpio.

SJH:glk

MF

Mitani, F. (1959) 59-4887  
Bull.Jap.Soc.sci.Fish., 24:708-13  
(On the spawning shoals of the yellow-  
tail, Seriola quinqueradiata T. & S.,  
migrating to the Danjo islands in the  
east China Sea). Ni En

Observations on the gonads of this sp.,  
caught in April & May, related on length  
& weight composition of catches &  
environmental conditions.

SJH:glk

M

Hashimoto, K. & 59-4890  
F. Matsuura (1959)  
Bull.Jap.Soc.sci.Fish., 24:724-9  
Comparative studies on two hemoglobins  
of salmon

Separation of 2 components was  
effected by means of a zone electro-  
phoresis & some properties such as  
electrophoretic behaviour, heat  
coagulability, & solubility were  
compared between these components.

SJH:kh

MF

Matsuura, F., K. Hashimoto. 59-4891  
 & N. Haruta (1959)  
Bull.Jap.Soc.sci.Fish., 24:730-4  
 (Chemical studies on the red muscle  
 ("Chiai") of fishes - IX. Heat  
 coagulability of red muscle myoglobin  
 and blood hemoglobin). Ni En

Experimental determination of the  
 characteristics of the heat coagulation  
 curves of the following spp.: Thunnus  
orientalis, Makaira mitsukurii,  
Katsuwonus vagans, Seriola quinque-  
radiata, Cololabis saira, Scomber  
japonicus.

SJH:glk

M

Toyomizu, M., N. Enomoto 59-4894  
 & Y. Tomiyasu (1959)  
Bull.Jap.Soc.sci.Fish., 24:743-8  
 (Preparation of quaternary ammonium  
 salts from fish oil and their  
 antibiotic action). Ni En

SJH:x

Katada, M., K. Zama 59-4892  
 & H. Igarashi (1959)  
Bull.Jap.Soc.sci.Fish., 24:735-8  
 (Lipids of the muscle of tuna, Thynnus  
orientalis - V. Further researches on  
 the phosphoaminolipids). Ni En

Isolation & identification of  
 components by paper chromatography &  
 other techniques.

SJH:glk

M

Saito, T., K. Arai 59-4895  
 & M. Matsuyoshi (1959)  
Bull.Jap.Soc.sci.Fish., 24:749-50  
 A new method for estimating the  
 freshness of fish

SJH:x

Zama, K., M. Katada 59-4893  
 & H. Igarashi (1959)  
Bull.Jap.Soc.sci.Fish., 24:739-42  
 (Egg lipids of a salmon, Oncorhynchus  
keta - II. Conjugated lipids from salmon  
 eggs). Ni En

Unfertilized & fertilized (after 24  
 hours) salmon eggs, previously treated  
 with acetone, were successively  
 extracted with ethanol, petroleum ether  
 & finally with boiling ethanol to yield  
 lecithins, cephalins & sphingolipids.

SJH:kz

F

Migita, M., J. Matsumoto 59-4896  
 & N. Aoe (1959)  
Bull.Jap.Soc.sci.Fish., 24:751-9  
 A comparative study on the  
 extractability of muscle proteins of  
 some animals

Comparison of the amounts of water-  
 extractable proteins & non-myosins of  
 muscles of various molluscs,  
 crustacea & fish - freshwater &  
 marine -, with measurement of relative  
 intensity of streaming birefringence  
 of the proteins in water & salt  
 extracts.

SJH:glk

MF

Shimizu, C. & 59-4897  
T. Fukuhara (1959)  
Bull.Jap.Soc.sci.Fish., 24:760-4  
(The catalytic action of blood and  
blood pigment on the oxidation of  
unsaturated fatty acid and hydrocarbon).  
Ni En

Examination of the oxidative activity  
of the blood of Scomber tapeinocephalus  
Bleeker.

SJH:glk

M

Higashi, H. & al. (1959) 59-4900  
Bull.Jap.Soc.sci.Fish., 24:776-80  
(The folic acid content of fish and  
shellfish). Ni En

Microbiological estimation of the  
amounts of folic acid (FA) has been  
carried out by the use of  
Streptococcus faecalis as the test  
microbe.

SJH:hh

M

Yokoseki, M. (1959) 59-4898  
Bull.Jap.Soc.sci.Fish., 24:765-9  
(Studies on the internal spoilage of  
fish-jelly products - III. Measurement  
of oxidation-reduction potential in fish-  
jelly products). Ni En

SJH.x

Hirao, S. & 59-4901  
R. Kikuchi (1959)  
Bull.Jap.Soc.sci.Fish., 24:781-4  
(Fluorodermin, a new fluorescent  
hydrocarbon in the skin of fishes).  
Ni En

Contents as per title.

SJH glk

MF

Higashi, H. & al. (1959) 59-4899  
Bull.Jap.Soc.sci.Fish., 24:770-5  
(The pantothenic acid content of fish  
and shellfish). Ni En

The pantothenic acid (PA) content in the  
tissues of various kinds of fish and  
shellfish has been determined by micro-  
biological assay - Skeggs, H.R. &  
Wright, L.D., 1944 - using Lacto-  
bacillus arabinosus as the test microbe.

SJH:hh

M

Aikele, E. & al. (1958) 59-4902  
Agenor-Verlag, Frankfurt/Main, 240 p.  
Handbuch der Lochkarten-Organisation  
(Handbook of punch card methods)

Describes various kinds of punched  
cards for data storage & processing,  
& the machines for handling them.  
Incl. theory of data storage &  
retrieval.

FAO:sjh

G



Bottemanne, C.J. (1959) 59-4903  
Amsterdam, North-Holland Publ.Co., 677 p.  
Principles of fisheries development

Account of many aspects of marine fisheries considered from an economist's viewpoint, analysing the structure & dynamics of fisheries, & the conditions & means of their development.

FiB:glk

II

59-4905  
(Card 2)  
"error of the 1st kind" - & is published. These are seldom verified by independent replication. Possibility thus arises that the literature consists in part of false conclusions resulting from errors of the 1st kind in statistical tests of significance.

FAO:tds

G

Hardy, A. (1959) 59-4904  
London, Collins, 322 p.  
The open sea: its natural history - II.  
Fish and fisheries

Continuation of "The Open Sea: The World of Plankton". Chapters on herring, plaice, gadoids & other fishes in North Sea & other waters fished by British vessels; parasites; overfishing; reptiles & marine mammals; benthos; fishing methods; place of ecology in fisheries research.

SJH:sjh

M

MacKinnon, W.J. (1959) 59-4907  
J.Amer.statist.Ass., 54(285):164-72  
Compact table of twelve probability levels of the symmetric binomial cumulative distribution for sample sizes to 1,000

A useful table for testing hypotheses based on the binomial probability  $p = 1/2$ , used in Fisher's sign test & tests between correlated proportions.

FAO:sjh

G

Sterling, T.D. (1959) 59-4905  
J.Amer.statist.Ass., 54(285):30-4  
Publication decisions and their possible effects on interferences drawn from tests of significance - or vice versa

In fields where statistical tests of significance are commonly used, research which yields nonsignificant results may not be published. Such research, being unknown to other investigators, may be repeated independently until eventually by chance a significant result occurs - an

Pritchard, D.W. & 59-4908  
R.E. Bunce (1959)  
Tech.Rep.Chesapeake Bay Inst., (17):  
87 p.

Physical and chemical hydrography of the Magothy river

Fresh water inflow, distribution of  $S\%$ , T,  $O_2$  & pH current velocities at the mouth of Magothy river & computation of exchange rates. Oceanographical data given as graphs.

FAO:tl

MF

Fischer, G. (1959) 59-4909  
Tellus, 11(1):60-76  
 Ein numerisches Verfahren zur Errechnung  
 von Windstau und Gezeiten in Randmeeren  
 (A numerical procedure for computation  
 of piling up by winds and tides in  
 adjacent seas). En

A finite difference method for  
 determining water heights & movements  
 in adjacent seas is developed. The  
 vertically integrated equations of  
 motion & the continuity equation are  
 transformed into an explicit system of  
 difference equations, which are solved

Mayer, A.M. & 59-4912  
 A. Poljakoff-Mayber (1959)  
Physiol.Plant., 12(1):8-14  
 The phototactic behaviour of  
Chlamydomonas snowiae

Dependence of phototactic behaviour  
 of Chlamydomonas on temperature,  
 length of illumination, its intensity  
 & wave length & effects of metabolic  
 inhibitors on the phototaxis.

FAO:tl

F

59-4909  
 (Card 2)  
 stepwise in time with an electronic  
 computer.

Bergquist, P.L. (1959) 59-4913  
Physiol.Plant., 12(1):30-6  
 The effect of cations and anions on  
 the respiration rate of the brown  
 alga, Hormosira banksii

Contents as per title.

FAO:gf

M

FAO:tl

M

Fonselius, S. & 59-4911  
 G. Ostlund (1959)  
Tellus, 11(1):77-82  
 Natural radiocarbon measurements on  
 surface water from the North Atlantic  
 and the Arctic Sea

An apparatus for the extraction of  
 carbon dioxide from 100 liters of sea-  
 water using carbonate-free sodium  
 hydroxide solution as absorbant liquid  
 & its performance is described. A test  
 series of 6 sea water samples is  
 presented.

FAO:sf

M

Cordes, W.C. (1959) 59-4914  
Physiol.Plant., 12(1):62-9  
 Description and physiological  
 properties of lipid-containing,  
 non-chlorophyllous cells in Elodea

Description of the morphological  
 appearance of these cells, their  
 responses to affinity for various  
 non-vital stains & some of their  
 physiological properties.

FAO:wcc

F

Shaw, J.T. & G.R. Garrison (1959) 59-4915  
J.geophys.Res., 64:533-9  
Formation of thermal microstructure in  
a narrow embayment during flushing

Thermal microstructure formations,  
coincident with the occurrence of  
flushing in a narrow Puget Sound  
embayment, have been observed &  
measured with a high-sensitivity probe.

TL:jts

M

Schiller, C.H. (Ed.) (1957) 59-4918  
International Univ.Press, Inc.,  
New York, 328 p.  
Instinctive behavior - The development  
of a modern concept

Assemblage of translations of papers  
of historical significance to this  
field, chosen to ill. the development  
of behavioural studies from early  
speculations to modern methods of  
experimental analysis. Reference is  
made to Betta splendens, Nannacara  
annomala & Hemichromis bimaculatus.

FAO:glk

MF

Dean, L.A. (1959) 59-4916  
J.geophys.Res., 64:585  
The use of long-range streamflow  
forecasts in the control of the  
Columbia river power system

Abstr. of paper presented at Pacific  
Northwest Regional Meeting, Portland,  
Oregon, November 13-14, 1958.

TL:sjh

F

Anonymous (1959) 59-4919  
New Scient., 5:1174  
Plotting the deep currents

Note on plans for cooperative study  
of counter-currents under the Gulf-  
stream by National Oceanographic  
Institute of UK & Woods Hole  
Oceanographic Institute, USA.

FAO:sjh

M

Kuehl, D.W. (1959) 59-4917  
J.geophys.Res., 64:585  
Use of electronic computers in water  
supply forecasting

Abstr. of paper presented at Pacific  
Northwest Regional Meeting, Portland,  
Oregon, November 13-14, 1958.

TL:sjh

F

Anonymous (1959) 59-4920  
New Scient., 5:1202  
Exploring a drowned port

Short note on work of SEA DIVER II, an  
American vessel specially built for  
undersea archaeological research &  
fitted with magnetic detectors,  
pressure hoses for mud clearing &  
diving equipment.

FAO:sjh

M



Huokuna, K. (1959) 59-4921  
FiskTidskr.Finl., (1):28-30  
Om fiskmärkningar (On tagging of  
fish)

Review of the history of tagging; its  
use in fisheries research; review of  
tagging of various spp. in Finland & the  
types of tags used.

FAO:t1

MF

Nilsson, N.E. (1959) 59-4924  
Svensk FiskTidskr., 66:34  
En enkel elektrisk spärranordning för  
fisk (A simple electrical barrier  
for fish)

Description of a barrier in a small  
brook.

FAO:t1

F

Kajosaari, H. (1959) 59-4922  
FiskTidskr.Finl., (1):30-1  
Ensomrig karp från Sovjetunionen  
(One summer old carp from USSR)

Description of the method of transport  
of live carp in plastic bags from USSR  
to Finland.

FAO:t1

F

Nilsson, N.A. (1959) 59-4925  
Svensk FiskTidskr., 66:43-7  
Under isen (Under the ice)

Popular review on availability of fish  
food organisms in icecovered lakes.

FAO:t1

F

Lindroth, A. (1959) 59-4923  
Svensk FiskTidskr., 68:27-8  
Anteckningar om sikungars beteende  
(Notes on the behaviour of the larvae  
of whitefishes)

Observations on the movement & feeding  
habits of Coregonus lavaretus & C.  
nasus larvae, born in hatchery.

FAO:t1

MF

Cronin, L.E. (1958) 59-4926  
Chesapeake Biological Laboratory, 36 p.  
Maryland Department of Research and  
Education - Annual report 1957

Section reprinted from 14th Annu. Rep.  
Id Bd nat.Resour. Organization &  
staff of department; account of  
Chesapeake bay studies on shellfish -  
oysters & clams -, crabs, fish &  
fisheries - white perch, fish eggs &  
larvae, freshwater fish distribution,  
yellow perch, Patuxent river fishes,  
striped bass, commercial catch  
programme -, & hydrography;  
Chincoteague bay studies; Inland

59-4926  
(Card 2)  
Resources Division work on pond &  
lake fish populations. Conservation  
education; publications; budget.

FiB:sjh

MF

Turnbull-Kemp, P.St.J. (1958)59-4930  
Rhod.agric.J., 55(6):637-40  
Trout in Southern Rhodesia

There is an increased use of copper  
sulphate for control of intermediate  
hosts of trematode flukes, Cercaria  
spp.; as a rule Rhodesian trout  
waters are exceptionally soft & when  
copper sulphate is applied, mortality  
may be expected if concentrations  
exceed 3.0 l. As concentrations of  
3.0 l are not effective against  
mollusca & Cercaria, it appears that  
the use of copper sulphate for the

Wood, J.W. & 59-4928  
E.J. Ordal (1958)  
Contr.Fish Comm.Ore., (25):38 p.  
Tuberculosis in Pacific salmon and  
steelhead trout

Pathology & bacteriology of this  
disease in Oncorhynchus spp. & Salmo  
gairdnerii. Quantitative studies in  
Oregon rivers & hatcheries;  
observations of marked & sexually under-  
developed fish.

SJH:sjh

MF

59-4930  
(Card 2)  
purpose in view must be dangerous  
to trout.

:ta

F

Dubey, G.P. (1959) 59-4929  
Indian Fmg, 8(11):6-9  
For its fish seed, M.P. can now depend  
on Narmada

Narmada R. in Madhya Pradesh, India,  
is an important source of adult table  
fish as well as young of major carps.  
The river also abounds in Mahseer. A  
judicious & extensive exploitation  
of the potential offered by the river  
is required.

:ta

F

Anonymous (1959) 59-4932  
Venezuela Up-to-date, 9(2):7  
Trout now firmly planted in Andean  
waters

Trout, 1st introduced into the  
Venezuelan Andes in 1930 - laguna de  
Mucubají, a small mountain lake in  
Mérida state -, has been acclimatized  
in 6 lakes in this area, & is now incl.  
in the diet of the people. The  
Ministry of Agriculture & Livestock is  
constructing 2 dams, 1 to elevate the  
water level of L. Mucubají, & the  
other to harness the St. Domingo R. &

59-4932  
(Card 2)  
create an artificial lake in La  
Victoria Valley, Mérida.

:ta

F

Anonymous (1959) 59-4936  
Peking Rev., 2(6):13-4  
A visit to Shunteh county

Fish-breeding in ponds was  
traditionally a main occupation of  
Shunteh, near Canton-city, China.  
About 2 fifths of the county's  
cultivated area are given over to by  
fish ponds. Some improvements in fish  
cultivation are described.

:ta

F

Anonymous (1959) 59-4934  
News Dig., 10(2) 43-4  
Transformation of Kerala's fishing  
industry

Introduction of mechanized fishing off  
the Kerala coast, India, training of  
local fishermen in plying these craft,  
boat-building & the setting up of an  
ice & cold storage plant are some of the  
major achievements of the Indo-Norwegian  
Fisheries Project.

:ta

M

Kumar, R., (1959) 59-4937  
Indian Eng., 8(10):33-5  
Shells can bring more foreign  
exchange

2 shell-spp., Trochus niloticus &  
Turbo marmoratus are of commercial  
importance for the Andaman & Nicobar  
islands. The studies of the  
ecological survey of India on  
breeding habits, age at maturity,  
longevity & natural enemies of these  
shells are briefly summarized & an  
estimate is made of the density of  
population. Recommendations on fishery  
management & fishing methods.

:ta

M

Spaas, J.T. (1959) 59-4935  
Bull.agric.Congo belge, 50(1) 117-30  
La pisciculture intensive dans le Haut-  
Katanga (Intensive pisciculture in  
the Upper Katanga)

Results of exploitation of 5 fish ponds  
with Tilapia spp. in the Wangermee  
valley, Upper Katanga, Belgian Congo,  
are reported. Some recommendations are  
given after comparison of the amount of  
distributed food & the production of the  
ponds.

:ta

F

Postel, E. (1958) 59-4938  
Etud.Outre-mer, 41(5) 175-80  
Recherches et industries annexes des  
pêches maritimes dans les territoires  
d'Outre-Mer (Research & industries  
annex to marine fishery in the French  
overseas territories)

Review of the technological research  
& the industries connected with marine  
fishery in the French overseas  
territories. Some recommendations are  
given for expanding research by the  
CRSTOM.(Office de la Recherche  
Scientifique et Technique Outre-Mer).

:ta

M



Gulland, J.A. (1958) 59-4939

Proc.Nutr.Soc., 17:132-6

The conservation of fish stocks

A short, non-mathematical, but clear account of the application of population dynamics to regulation of fisheries to increase yields & in other ways to improve the industry. Special reference to N. Sea demersal fisheries.

SJH:sjh

Burnet, A.M.R. (1959)

59-4942

N.Z.J.Sci., 2(1):46-56

Electric fishing with pulsatory direct current

Outlines further development of machine described by author in 1952; it is a larger version, powered by gasoline engine, & trials were made on brown trout & eels in a small New Zealand stream. Comparison of experimental fishing mortalities - by De Lury's method of cumulative catches - by various pulses & combinations; attractive effect by galvanotaxis & by forced swimming.

FAO:sjh

F.

Ohmi, H. (1958) 59-4940

Mem.Fac.Fish.Hokkaido Univ., 6(1):66 p.

The species of Gracilaria and Gracilaria from Japan and adjacent waters

Description of the spp. with key for taxonomic determination & notes on economic importance of the spp., incl. chemical composition & methods for crude agar manufacture.

FAO tl

H

Skerman, T.M. (1959)

59-4943

N.Z.J.Sci., 2(1):57-94

Marine fouling at the port of Auckland

Experiments show abundance, seasonal settlement & growth on non-toxic test panels of the principal spp.: diatoms, hydroids, polyzoa, serpulids, molluscs, barnacles & ascidians.

FAO:sjh

M

Taylor, F.W. (1959)

59-4941

N.Z.J.Sci., 2(1):41-5

Measurement of flow in a small stream

In connection with a research project at Taita experimental station, it was necessary to build a flow meter to measure stream flows ranging from 0.02 to 10 cusecs & recording accurately at low flows. The design, construction, & operation of a suitable flow meter are described.

FAO:fwt

F

Barber, N.F. (1959)

59-4944

N.Z.J.Sci., 2(1):99-108

A proposed method of surveying the wave state of the open ocean

Directional spectrum of waves & swell might be estimated quickly by an aircraft carrying a swept-frequency radar working at frequencies between 1Mc/s & 10Mc/s & using a long trailing aerial to get directivity. A system of floating buoys is also described, which may serve to measure the directional spectrum when the radio aircraft is to be calibrated experimentally against known sea-states.

FAO:nfb

M

Hurley, D.E. (1959) 59-4945

N.Z.J.Sci., 2(1):137-47

Some features of the benthic environment in Cook strait

Underwater photographs taken during investigations on the nature of the sea-floor are of interest in interpreting the ecology of the outer sublittoral benthic communities. The more important photographs are reproduced with commentary & discussion.

Aggregations of ophiuroids shown in several photographs are similar to concentrations of ophiuroids reported from the North Atlantic.

FAO:deh

M

Stewart, H.B., Jr., G.G. 59-4948

Salsman & A.J. Goodheart (1959)

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

Surface and subsurface rotary currents measured at the outer edge of the continental shelf

Analyses of half hourly current observations in various depths made from anchored Roberts radio current buoy at the outer edge of the continental shelf near Georges Bank. Incl. also analyses of 6-hourly BT lowerings for discovery of internal waves.

:tl

M

Martineau, D.P. (1959) 59-4946

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

The Gulf stream as an equivalent-barotropic system

The cross-stream, seasonal, & down-stream variations are discussed from the results of the analysis of selected sets of hydrographic sections across the current.

:agu

M

Harleman, D.R.F. & 59-4949

J.M. Jordaan, Jr. (1959)

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

Density effects on time-dependent turbulent diffusion in an idealized estuary

Experimental investigations of density effects on turbulent diffusion.

:tl

MF

Neumann, G. (1959) 59-4947

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

On the dynamical structure of the Gulf stream as an equivalent-barotropic flow

Investigation of the main features of the Gulf stream & its horizontal-velocity profile by treating the stream as a non-accelerated equivalent barotropic flow, determined by pressure, Coriolis & frictional forces.

:tl

M

Pritchard, D.W. (1959) 59-4950

Program Paper presented at the Fortieth Annual Meeting of the American Geophys.

Un., Washington, May 4-7, 1959

A test of mixing-length theories of vertical diffusion in an estuary and in a Pacific atoll lagoon

Comparison of "observed" & theoretical mixing lengths, with consideration of the stability parameter & influence of wind waves.

:tl

MF

Chappellear, J.E. (1959) 59-4951  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
A class of three-dimensional shallow-  
water waves

Contents as per title.

:tl

Ichiye, T. (1959) 59-4954  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
A theory of storm surges on the  
continental shelf

Long waves caused by a traveling  
disturbance on a continental shelf of  
uniform depth is discussed theoretically.

:agu

M

Hicks, B.L. (1959) 59-4952  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
The spectrum of small wind waves

Results of investigations of wind  
waves in a lake.

:tl

F

Donn, W.L. & 59-4955  
W.T. McGuinness (1959)  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
North Atlantic IGY ocean-wave results

Analyses of waves with different  
periods & suggestion of their causes.

tl

M

Pierson, W.J., Jr. (1959) 59-4953  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
A note on the growth of the spectrum of  
wind generated gravity waves as  
determined by non-linear considerations

Comparison of various theoretical forms  
for the spectrum of a fully developed  
sea at different wind speeds.

:tl

M

McGuinness, W.T. & 59-4956  
W.L. Donn (1959)  
Program Paper presented at the Fortieth  
Annual Meeting of the American Geophys.  
Un., Washington, May 4-7, 1959  
Long-period ocean waves at Bermuda

Description of characteristic seiches  
in the Bermuda area.

:tl

M



Ichiye, T. (1959) 59-4957  
Program Paper presented at the Fortieth Annual Meeting of the American Geophys. Un., Washington, May 4-7, 1959  
 Circulation and water mass distribution in the Gulf of Mexico

Oceanographic data collected in the Gulf of Mexico since 1951 are analyzed.

agui

M

Tebble, N. (1959) 59-4960  
Bull. Res. Coun. Israel, B8(1):9-30  
 On a collection of Polychaetes from the Mediterranean coast of Israel

Reports on 48 spp. of which one is new indicating distributional ranges ecologically off the Israeli coast & geographically throughout the world.

FAO:hr

M

Takahashi, T. (1959) 59-4958  
Program Paper presented at the Fortieth Annual Meeting of the American Geophys. Un., Washington, May 4-7, 1959

The carbon dioxide exchange between the North and South Atlantic oceans and the atmosphere

Correlation of CO<sub>2</sub> concentrations in the atmosphere with the partial pressure of CO<sub>2</sub> in sea water.

atl

M

Kabata, Z. (1958) 59-4961  
Ann. Mag. nat. Hist., Ser. 13, 1:331-6  
Vanbenedenia krøyeri Malm, 1860: a parasitic copepod

Ill. description of this sp. found, after lapse of a century since its discovery, on Chimaera monstrosa caught by EXPLORER with pelagic trawl in 1956 in the Skagerrak.

FID:gh

M

Broecker, W.S. & E.A. Olson (1959) 59-4959  
Program Paper presented at the Fortieth Annual Meeting of the American Geophys. Un., Washington, May 4-7, 1959  
 Variations in atmospheric radiocarbon concentration over the last 2000 years

Analyses of the C<sup>14</sup> measurements of dated plant samples & conclusion on the variations of CO<sub>2</sub> in the atmosphere & in deep water.

atl

M

Mason, J. (1958) 59-4962  
Ann. Mag. nat. Hist., Ser. 13, 1:601-2  
 A possible lunar periodicity in the breeding of the scallop, Pecten maximus (L.)

Report of observations made at Port Erin, Isle of Man, 1951-52.

FID:sjh

M

Jones, W.E. (1957) 59-4963  
Ann.Mag.nat.Hist., 10(109):70-1  
 A note on the genus Cordylecladia J.  
 Agardh. (Algae: Rhodophyceae)

M

John, C.M. (1957) 59-4966  
Bull.Res.Inst.Univ.Travancore, 50(1)  
 93-102  
Bionomics and life history of Macro-  
brachium rosenbergii (De Man)

II

Kojima, Y. (1957) 59-4964  
Bull.Mar.biol.Sta Asamushi, 8(2-4):59-61  
 On the breeding of a periwinkle,  
Littorivaga brevicula (Philippi)

II

Hall, M.E. (1957) 59-4967  
Nature Mag., 50(3):124-6  
 Crawfishing time

F

Johansson, J. (1957) 59-4965  
Zool.Bidr.Uppsala, 32:81-91  
 Notes on the littorinacean and  
 stenoglossan genital organs, and a  
 comparison with the Rissoacea

III

Kabata, Z. (1957) 59-4968  
Parasitology, 47(1 & 2):165-7  
 Note on a new host of Myxobolus  
agilefini

II

Thomasson, K. (1959) 59-4969  
Acta phytogeogr.suec., 42:83  
Nahuel Huapi - plankton of some lakes  
in an Argentine national park with  
notes on terrestrial vegetation

F

Briggs, G.E. (1959) 59-4972  
J.exp.Bot., 10:90-2  
Bicarbonate ions as a source of carbon  
dioxide for photosynthesis



F

Greenwood, A.D. (1959) 59-4970  
J.exp.Bot., 10:55-68  
Observations on the structure of the  
zoospores of Vaucheria - II.

F

Willoughby, L.G. (1959) 59-4973  
Trans.Brit.mycol.Soc., 42:67-71  
A pure culture of Chytromyces aureus  
Karling

F

Alfimov, N.N. & O.G. Mironov (1958) 59-4971  
Bot.Zh., 43:1763-5  
(The effect of diatomaceous plankton  
of rivers on certain chemical indices  
of water contamination). Ru

F

Ingold, C.T. (1959) 59-4974  
J.Cuekett micr.Cl., 5(4):115-30  
Submerged aquatic hyphomycetes

F



Blackman, G.E. & al. (1959) 59-4975  
J.exp.Bot., 10:33-54  
 The uptake of growth substances - I.  
 Factors controlling the uptake of  
 phenoxyacetic acids by Lemna minor

F

Kubicek, F. (1958) 59-4978  
Sborn.Prac Tatransk.Narodn.Parku, 2:  
 63-73  
 (To the knowledge of the spring-  
 zooplankton in Strbske Pleso).  
Cz De

F

Lanjouw, J. & 59-4976  
 F.A. Stafleu (Ed.) (1959)  
Regnum Vegetabile, 15:249 p.  
 Index herbariorum - Part I. The herbaria  
 of the world (4th ed.)

F

Liebmann, H. (1959) 59-4979  
Munchen, Oldenbourg, 161-320  
 Handbuch der Frischwasser- und  
 Abwasser-Biologie - Band II. Lieferung  
 2 (Manual of freshwater and waste  
 water biology - Vol. II.

F

Tunevall, G. (Ed.) (1959) 59-4977  
Stockholm, Almquist & Wiksell, 453 p.  
 Recent progress in microbiology -  
 Symposia held at the VII International  
 Congress for Microbiology, Stockholm

MF

Japan. Ministry of 59-4980  
Education (1959)  
Tokyo, 41 p.  
 Handbook of learned societies in  
 Japan - Natural and applied sciences

MF

Boschi, L.A., M.L. Fuster de 59-4981

Plaza & E.E. Boschi (1958)

Cienc. & Invest., 14(5):195-200

El termometro electrico con termistor y  
su utilidad en hidrobiologia (The  
electric thermometer with thermistor  
and its utilization in hydrobiology)

MF

Butcher, R.W. (1959)

59-4984

Proc.Linn.Soc.Lond., 170:159-65

Biological assessment of river  
pollution

F

Truelle, M.A. (1957) 59-4982

Ann.Acad.tschécosl.Agric., 30:859-79

(Investigation of waste waters at an  
industrial pig fattening farm). CZ

F

Pentelow, F.T.K. (1959)

59-4985

Proc.Linn.Soc.Lond., 170:169-70

Sewage effluents and fish

F

Kent River Board (1959)

59-4983

Maidstone, 12 p.

The river Medway through Maidstone.

The improvement in eight years 1950-1958

F

Petter, A.E.J. (1959)

59-4986

Proc.Linn.Soc.Lond., 170:170-1

Pollution and the oxygen content  
of river waters

F

Westlake, D.F. (1959) 59-4987  
Proc.Linn.Soc.Lond., 170:171-2  
The effects of organisms on pollution

MF

Fuster de Plaza, M.L. & 59-4990  
E.E. Boschi (1958)  
Publ.Dep.Invest.pesq.B.Aires, 7:49 p.  
Estudio biologico pesquero de la  
anchoita (Engraulis anchoita) de mar  
del Plata - I. Analisis de los  
caracteres meristicos (Biological  
study on anchovies of the La Plata.  
Analysis of meristic characters)

M

Swift, D.R. (1959) 59-4988  
J.exp.Biol., 36:120-5  
Seasonal variation in the activity of  
the thyroid gland of yearling brown  
trout Salmo trutta Linn.

F

Jones, J.W. (1959) 59-4991  
New Naturalist Monogr., (16) 192 p.  
The salmon

MF

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(Salmo irideus Gibb.) affected with  
Hydrocoele embryonalis

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New species of fresh-water catfishes  
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pauloae n. sp.) (A remarkable  
Asellus from the ground waters of  
 Portugal, A. pauloae n.sp.)

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 A gynandromorph of Taeniorhynchus  
 (Mansonioides) uniformis (Theobald)  
 (Diptera: Culicidae)

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of the redside dace Clinostomus  
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59-5003

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& L. Sollero (1959)  
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data on the behaviour of electric  
organs in contact with curare substances)

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in midgut gland of African giant snail,  
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J.Parasitol., 44(3):334-8  
 Studies on Ligula-infected common  
 shiners (Notropis cornutus frontalis  
 Agassiz) in the Adirondacks

Infected in Wolf lake,  
 almost exclusively common shiners &  
 very occasionally cutlips & horned dace,  
 although several spp. of  
 minnows & suckers were present. Few  
 fish of breeding age were infected.  
 American mergansers & great blue  
 herons appear to be final hosts.

sha

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 On the development of the memertean  
Micrura akkeshiensis

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 en France (The genus Diaptomus,  
 crustacean copepod, in France)

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 caused by the estrogen administration

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 A field test for radioactive strontium  
 and barium in water under emergency  
 conditions

The principal hazard involved in  
 drinking water containing fission  
 products is due to the ingestion of  
 strontium-89 & barium-140, & a method  
 has therefore been devised for the  
 direct determination of these isotopes  
 in the field, using a minimum of  
 equipment.

swpa

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Tettigades)

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Rev.Mus.La Plata (Zool.), 7:1-22  
 Anotaciones sobre la morfologia de  
Tropicorbis peregrinus (D'Orb)  
 (Notes on the morphology of Tropicorbis  
peregrinus D'Orb)

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 Topography of the organic  
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Canad.Ent., 90(10):623-7  
Studies of the Byron Bog in south-  
western Ontario - IX. Insects trapped as  
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Hidrogr.Godišnjak, 1956-1957:207-16  
Contribution to the knowledge of the  
climate of Boka Kotorska

Observations on a meteorological  
station in Boka Kotorska for a longer  
lapse of time.

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Morović, D. & 59-5018  
Š. Zupanović (1958)  
Rijeka, 147 p.  
Osnovi ribarstvene biologije  
(Fundamentals of fisheries biology)

Notes on general biology with  
reference to elements of fishery  
biology.

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Matulić, M. (1958) 59-5021  
Hidrogr.Godišnjak, 1956-1957:241-7  
The development and the importance of  
telecommunications of the marine  
Department of Hydrometeorological  
Service of Croatia at Split

Navigational warnings broadcasting  
service for the shipping in coastal  
navigation along the Eastern  
Adriatic shore.

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Zore, M. (1958) 59-5019  
Hidrogr.Godišnjak, 1956-1957:197-206  
Notes on collecting methods of  
oceanographic data on deep sea  
measurements

Presents a short review of the  
technique used with water bottles &  
stationary current meters. Methods are  
given for checking the depth at which  
samples are taken, & for processing  
both depth & temperature calculations.  
Discussion of the methods by which ship  
movements can be eliminated from  
current meter data.

IMZ

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Anonymous (1958) 59-5022  
Hidrogr.Godišnjak, 1956-1957:7-15  
Main institutions which took part in  
the research of the Adriatic sea  
during the year 1956 and 1957

Organization, cooperation in the  
country, international cooperation,  
vessels, equipment, library, aquarium  
of the following institutions:  
Hydrographic Institute of Yugoslav  
Navy, Institute of Oceanography &  
Fisheries at Split, Institute for  
Marine Biology at Rovinj, Marine  
Department of Hydrometeorological  
Service of Croatia at Split.

IMZ

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Hidrogr.Godišnjak, 1956-1957:17-42  
General review of works carried out and  
researches made along the eastern coast  
of the Adriatic sea during the year  
1956 and 1957

Surveys & researches; issuance of  
nautical charts,  
navigational handbooks, physiographical  
& biological publications;  
meteorological, climatological  
synoptical service; telecommunications  
service.

cmz

Klak, S. (1958) 59-5026  
Hidrogr.Godišnjak, 1956-1957:97-106  
Determination of height differences  
between the tide gauges on Yugoslav  
coast

States that during the geophysical  
year the starting level point of the  
tide gauges along the Yugoslav coast  
was coordinated.

cmz

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Hidrogr.Godišnjak, 1956-1957:43-78  
Oceanographic researches in the  
Adriatic sea on the program of the  
International Geophysical Year

Work of the subcommittee for  
oceanography in the IGY. Plans & cruises,  
methods of work;  
Observations on meteorology,  
currents, soundings, sea temperature,  
salinity.

cmz

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Kasumović, M. (1958) 59-5027  
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On the influence of air pressure and  
wind to the oscillation of the level  
of the Adriatic sea

The influence of slow & gradual  
changes of air pressure on the mean  
sea level were studied. Tabulates sea  
level variations according to the  
winds.

cmz

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Anonymous (1958) 59-5025  
Hidrogr.Godišnjak, 1956-1957:79-94  
Review of the conferences and  
consultations held during the year  
1956 and 1957

Short account of the work on several  
meetings: Conference of National IGY  
Committee, meetings of several subcommittees;  
2nd congress of the Yugoslav geologists;  
conference on the overfishing problems  
& oil pollution of the sea, & others.

cmz

Zupan, A. (1958) 59-5028  
Hidrogr.Godišnjak, 1956-1957:123-51  
Mean sea level at Split for the  
period 1947 to 1957

Mean sea level observations at 2  
points nearly Split. Comparison  
Trieste-Split. Monthly mean sea  
levels for Split, Bakar, Trieste &  
Porto Corsini.

cmz

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Tošić, M. (1958) 59-5029

Hidrogr.Godišnjak, 1956-1957:153-62

On the positive movement of coastal line on the eastern shore of the Adriatic in postdiluvium

Geomorphological, stratigraphical, histori-graphical & tidal observations. Special attention is drawn to the tidal method.

mz

Kaj, J. (1958) 59-5032

Badania Fizjogr.polska, 4:213-8

Contribution to the biology and geographical distribution of Pelecus cultratus L. in the drainage basin of the Baltic

Alfirević, S. (1958) 59-5030

Hidrogr.Godišnjak, 1956-1957:163-89

Results of the morphological and geological research on marine sediments in the Middle Adriatic

Granulometric composition of the sediments in relation to the dynamics of the bottom water layers.

mz

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Lists spp. of Salmo in Yugoslav rivers & lakes.

:sjh

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Radio-active isotopes in the oceanography

Some data on the quantity of radio-active elements - especially radium - in sea water & sediments; note on their origin.

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(Contribution to the ichthyofauna of the Iran coast of the Caspian Sea).

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 Beitrag zur Kenntnis der Ichthyofauna  
 im Donaugebiet der CSR (Contribution  
 to the knowledge of the ichthyofauna  
 in the Danube region of CSR)

Maul, G.E. (1957) 59-5038  
Bol. Mus. Funchal, 10(25):5-21  
 Further additions to the previously  
 revised family Searsidae

3 new spp. in the ichthyofauna of  
 Madeira: Barbantus curvifrons,  
Moltbyrnia macrops n.sp. & a second  
 sp. of Moltbyrnia, not defined, but  
 described by the author as very near  
 to Searsia schnakenbecki Krefft,  
 1953.

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Kux, Z. & 59-5036  
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Acta Mus. Moraviae, 43:145-74  
 Ein Beitrag zur Erforschung der  
 Ichthyofauna im Topafluss, Bezirk  
 Bardejov (Nordostslovakei)  
 (Contribution to the knowledge of the  
 ichthyofauna in the Topa river,  
 Bardejov district, NE Slovakia)

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 Observations on aggressiveness in  
 sockeye salmon smolts

Lambert, J.G. (1958) 59-5037  
Rev. Zool. Bot. afr., 57(1-2):39-56  
 Poissons Siluriformes et Cyprinodonti-  
 formes récoltés en Guinée française,  
 avec la description d'une nouvelle  
 Microsynodontis (Silviformes and  
 Cyprinodontiformes collected in French  
 Guinea with the description of a new  
 Microsynodontis)

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Amer. Mus. Novit., 1876:1-7  
 A new goby and other fishes from  
 Formosa (Oxyurichthys formosanus,  
 n.sp.)

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Fishes from the Auckland and Campbell  
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Beitr.Naturk.Niedersachsens, 11(1):7  
Weitere Mitteilung über die Fisch-  
fauna des Harzes (Further notes  
on the ichthyofauna in the Harz)

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Pinto, S.Y. (1957) 59-5042  
Bol.Mus.nac.Rio de J., 163:1-15  
Um novo Clinidae de ilha da Trindade,  
Brasil (Actinopterygii-Perciformes)  
(A new clinid from Trinidad island,  
Brazil, Actinopterygii-Perciformes)

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Beitr.Naturk.Niedersachsens, 11(3):  
69-73  
Die Fischfauna des östlichen  
Niedersachsen (The ichthyofauna  
of the eastern Lower Saxony)

Preliminary list of spp. from Lower  
Saxony with reference to  
zoogeographical peculiarities.

F

Pynnönen, A. (1957) 59-5043  
Arch.Soc.zool.bot.fenn.Vanamo, 11(2):  
171-82

Über die Reichlichkeit der Rische und  
Reptilen im Kirchspiel Komevesi einst  
und jetzt (On the abundance of  
fishes and reptiles in the Komovesi  
district once and now)

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Proc.Amer.phil.Soc., 102(3):281-320  
The origin, evolution, dispersal,  
and geographical distribution of the  
Cuban Poeciliid fishes of the tribe  
Girardinini

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relicts of Northern Europe, with  
remarks on their prehistory

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Ann.Mag.nat.Hist., 115:555-60  
The rare shark Hemipristis elongata  
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Mozambique

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J.Bombay nat.Hist.Soc., 54:322-34  
Zoological collecting tour of the  
islands off Jaffna

Thenius, E. (1957) 59-5051  
Nat.u.Landsch., 43(11):143-7  
Niederösterreichs Fischfauna im  
Wandel der Zeiten (Ichthyofauna  
of Lower Austria)

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A la recherche de Polyptères  
(Polypteridae) au Congo Belge  
(Research on polypterids in the  
Belgian Congo)

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Annot.zool.jap., 31(1):49-52  
Some rare fishes from Sagami bay, Japan

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Ann.Mus.Stor.nat.Genova, 71:71-2  
 Primo reperto di un raro Mictofide  
Diaphus metoplocampus (COCCO) (Pisces,  
 Iniomi) (First reference to a rare  
 mictofid: Diaphus metoplocampus (COCCO)  
 pisces, Iniomi)

D

Travassos, H. (1957) 59-5056  
Publ.avuls.Mus.nac.Rio de J., 20:21-7  
 Sobre o material ictiologico coletado  
 na excursao as zonas das estradas de  
 ferro Noroeste do Brasil e Brasil-  
 Bolivia, nos estados de Sao Paulo e  
 de Mato Grosso, Brasil e Bolivia  
 Oriental (Notes on ichthyological  
 material collected during an  
 expedition in the regions of the rail-  
 ways Noroeste do Brasil e Brasil-  
 Bolivia in the states of St. Paulo e  
 Mato Grosso in Brasil e in western  
 Bolivia,

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Boll.Mus.civ.Venezia, 10:121-8  
 Su alcuni pesci eritrei e somali del  
 Museo Civico di Storia Naturale di  
 Venezia (On some fishes from  
 Eritrea and Somaliland in the Museo  
 Civico di Storia Naturale, Venice)

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 T. Shiokawa (1957)  
Sci.Bull.Fac.Agric.Kyushu Univ., 16(2)  
 275-312  
 Studies on the flying-fishes of the  
 Amakusa islands. 2-4

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Proc.R.Irish Acad., 58B(15):321-8  
 Movements of salmon around Ireland -  
 VII. From Rath, Co. Kerry (1950-1953)

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Dull.Biol.Med.exp.URSS, 62(4) 37-50  
 (Lake and river trout in the basin of  
 lake Imandra). Ru En

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Levende Nat., 61(2):32-4  
Invasie van de makreelgeep op  
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Walcheren)

Wilhelm, O.E. & 59-5062  
A.L. Hulot (1957)  
Bol.Soc.Biol.Concepción, 32:139-51  
Pesca y peces de la isla de Pascua  
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island)

Notes on catch in coastal waters with  
list of local fishes.

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Went, A.E.J. (1958) 59-5060  
Irish Nat.J., 12(10):255-9  
Reflections on the "List of Irish  
Fishes"(1957)

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Some notes on Beryx decadactylus  
(Cuv. & Val.) in European waters with  
a special account of Norwegian  
records

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Aust.Mus.Mag., 12(9):278  
The moonfish or Opah in New South  
Wales

Williams, F. (1958) 59-5064  
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A preliminary report on deep water  
fishing off the North Kenya coast

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Chicago nat.Hist.Mus.Bull., 29(3):5-6  
Fish collecting on coasts of Guianas  
and Brazil

Gühr, M. (1957) 59-5068  
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Zur Entwicklung des Hechtes  
(On the development of pike)

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Growth of the channel catfish,  
Ictalurus punctatus (Rafinesque), in  
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Ginogeneza la carasul argintiu  
(Carassius auratus gibelio Bloch)  
(Gynogenesis in silver carp, Carassius  
auratus gibelio Bloch)

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Acta Univ.Afr.Silv.Bruun, (2):239-50  
Einige Erfahrungen mit der halb-  
künstlichen Laiche des Welses (Silurus  
glanis L.) in Pohorelice  
(Some experiences with the semi-  
artificial spawn of Silurus glanis L.  
in Pohorelice)

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Holstvoogd, C. (1957) 59-5071  
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 The postembryonic development of the  
 pronephros in Clupea harengus L.

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Marathe, V.B. & 59-5074  
 D.V. Bal (1957)  
Proc.Indian Acad.Sci., 46B(6):347-75  
 The development of the chondrocranium  
 in Trichopodus trichopterus (Pall.)

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Honma, Y. (1957) 59-5072  
Jap.J.Ichthyol., 5(3-6):182-3  
 A case of the Janus monstrosity found  
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 On the ecology and reproduction of the  
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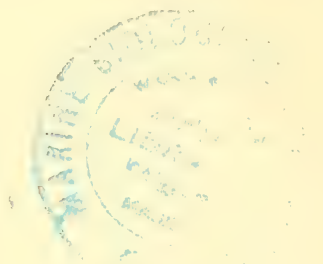
Necrasov, O. & al. (1958) 59-5076  
Ann.Sci.Univ.Jassy, 4(2/1):67-76  
 Contribution à l'étude de la  
 croissance et du développement de la  
 carpe (Cyprinus carpio L.) en  
 captivité (dans des aquariums), en  
 comparaison de sa croissance et de  
 son développement en milieu naturel -  
 II. (Contribution to the study of  
 growth and development of carp in  
 captivity, in aquarium, compared to  
 its growth and development in  
 natural surroundings)

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Sieboldia, 2(1):19-29  
 On the hardening of the chorion in the  
 fish egg after fertilization - I. Role  
 of the cortical substance in chorion  
 hardening of the egg of Oryzias latipes

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Sivankutty, N.G. (1957) 59-5080  
Bull. Res. Inst. Univ. Kerala, 5C(1):69-76  
 Breeding habits and development of  
Ambassis gymnocephalus (Lac.)



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Bull. Res. Inst. Univ. Kerala, 5C(1):85-92  
 Early stages in the development of the  
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 Bleeker

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 Notes on the early development of  
Mugil cephalus Linnaeus

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 Die embryonale Entwicklung der  
 Regenbogenforelle (Trutta gairdneri  
irideus) (Embryo development in  
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irideus)

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 Studi sui Plagiostomi - IX.  
 Descrizione di un embrione di Mobula  
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 Plagiostoma - IX. Description of an  
 embryo of Mobula mobular Bonn.)

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 Die Larve von Blennius fluviatilis  
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 W.A. Hiestand (1958)  
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 The ichthyokinometer, an improved  
 ichthyometer for studying action of  
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 fish

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 G.H. Geen (1958)  
New Westminster, B.C. 74 p.  
 Progress report: sockeye and pink  
 salmon investigations at the Seton  
 Creek hydroelectric installation

F

Braemer, W. (1958) 59-5087  
Z.vergl.Physiol., 40:529-42  
 Zur Gleichgewichtsorientierung  
 schrägstehender Fische (On the  
 stability orientation of inclined fish  
 at rest)

Investigations on optical & static  
 components of the vertical inclined  
 position of Poecilobrycon eques -  
 changing during the day & at night -  
 of Thayeria obliqua & Chilodus  
punctatus - always the same.

F

Acolat, L. (1957) 59-5085  
Ann.sci.Univ.Besançon, Ser.2, 6-7:175-8  
 La perche goujonnière ou Grémille  
 (Acerina cernua L.) peut être gardée  
 en aquarium et servir à des recherches  
 physiologiques (Apercina cernua can  
 be kept in aquarium and be used for  
 physiological investigations)

F

Chieffi, G. & 59-5088  
 E. de Lutio (1957)  
R.C.Accad.Lincei, 23(5):316-9  
 Il metabolismo del testosterone da  
 parte di Lebistes reticulatus e di  
Gambusia holbrooki - Ricerche "in  
 vivo" (The metabolism of  
 testosterone in Lebistes reticulatus  
 and Gambusia holbrooki - Research  
 "in vivo")

F

<p>Clos, F. &amp; A. Serfaty (1957)  <u>Bull.Soc.Hist.nat.Toulouse</u>, 92(3-4):  205-17  Activités cholinestérasiques chez  les poissons dulcaquicoles  (Cholinesterasic activity of fresh-  water fishes)</p> <p style="text-align: right;">59-5089</p> <p style="text-align: center;">F</p>	<p>Ishii, S. (1957)  <u>Annot.zool.jap.</u>, 30(4):204-10  Seasonal changes in the ovary and  testis of viviparous teleost, <u>Ditrema</u>  <u>temmincki</u></p> <p style="text-align: right;">59-5092</p> <p style="text-align: center;">M</p>
<p>Gabe, M. (1957)  <u>Ann.Histochim.</u>, 2(3):215-24  Particularités histochimiques des  cellules pigmentées du tissu périrénal  chez le protoptère, <u>Protopterus</u>  <u>anectens</u> Owen (Histochemical  particularities of pigment cells of  the perirenal tissue in the protopter,  <u>Protopterus anectens</u> Owen)</p> <p style="text-align: right;">59-5090</p> <p style="text-align: center;">F</p>	<p>Jara, Z. (1957)  <u>Zool.Polon.</u>, 8(2-3):113-29  The blood coagulation system in carp  (<u>Cyprinus carpio</u> L.)</p> <p style="text-align: right;">59-5093</p> <p style="text-align: center;">F</p>
<p>Haneda, Y. &amp; F.H. Johnson (1958)  <u>Proc.nat.Acad.Sci., Wash.</u>, 44(2):127-9  The luciferin-luciferase reaction in a  fish, <u>Parapriacanthus beryciformis</u>,  of newly discovered luminescence</p> <p style="text-align: right;">59-5091</p> <p style="text-align: center;">M</p>	<p>Jitariu, P. &amp; al. (1957)  <u>Ann.Sci.Univ.Jassy</u>, 3(1-2):18-32  Etude physiologique du mode d'existence  et du comportement de la truite de  Bistrita et de Lacul Rosu. L'importance  de l'hydrogène sulfuré pour la vie de  la truite (Physiological study on  the way of living and on the  behaviour of trout in Bistrita and  Lacul Rosu. The importance of  hydrogen sulphide for the existence  of trout)</p> <p style="text-align: right;">59-5094</p> <p style="text-align: center;">F</p>

Julien, A., J. Ripplinger 59-5095  
 & R. Moreau (1957).  
Ann.sci.Univ.Besançon, Ser.2, 6-7:  
 185-93  
 Effets de l'histamine et des anti-  
 histaminiques de synthèse sur le  
 comportement des Céphalopodes et de  
 quelques poissons marins (Effect  
 of histamine and of synthetic anti-  
 biotamines on the behaviour of  
 cephalopods and some marine fishes)

Laurent, P. (1957) 59-5098  
Physiol.comp., 4:346-56  
 Le rôle de la région sino-auriculaire  
 dans le fonctionnement cardiaque chez  
 les téléostéens (The importance of  
 the sino-auricular part for the  
 cardiac function in teleosts)

MF

Julien, A. & 59-5096  
 J. Ripplinger (1957).  
Ann.sci.Univ.Besançon, Ser.2, 9:35-92  
 Physiologie du coeur des poissons et  
 de son innervation extrinsèque  
 (Physiology of the heart of fishes and  
 its extrinsic innervation)

Description of the activity of the  
 heart in fish activity developed by  
 2 kinds of nerve fibres on which  
 different compounds exercise different  
 effects.

MF

Minamori, S. (1957) 59-5099  
J.Sci.Hiroshima Univ., 17B(7):55-64  
 Physiological isolation in Cobitidae -  
 V. Sterility of the hybrids between  
 the mud loach and six races of spinous  
 loaches

F

Konishi, J. (1958) 59-5097  
Zool.Mag., Tokyo, 67(3):88-94  
 La reacción retiniana y su relación  
 con la reacción eléctrica del centro  
 visual en el pez, Carassius auratus L.  
 (The reaction of the retina and its  
 relation to the electrical reaction  
 of the visual centre in Carassius  
auratus L.)

Minamori, S. (1957) 59-5100  
J.Sci.Hiroshima Univ., 17B(8):65-119  
 Physiological isolation in Cobitidae -  
 VI. Temperature adaptation and hybrid  
 inviability

F



Vallentyne, J.R. (1957) 59-5101  
Amer.Scient., 45:218-44  
Principles of modern limnology

A general review of lake physics &  
the interactions of biological &  
chemical factors - metabolism.

59-5103  
(Card 2)  
adequately characterized organic  
compounds from terrestrial soils,  
sewage & activated sludge.

FAO:wad

F

FAO:glk

MF

Yentsch, S.C. & 59-5102  
J.F. Hebard (1957)  
J.Cons.int.Explor.Mer., 22(2):184-90  
A gauge for determining plankton  
volume by the mercury immersion  
method

Description of apparatus, results of  
comparative tests.

FAO:sjh

MF

Steffens, W. (1957) 59-5105  
Dtsch.Fisch.Ztg., 4:83-7  
Die Wirkung von Hypophyseninjektionen  
auf Laichkarpfen (The influence of  
hypophyse injection on breeding carps)

Description of the results of  
experiments in different conditions  
& in different fish farms.

FAO:tl

F

Valentine, J.R. (1957) 59-5103  
J.Fish.Res.Bd Can., 14(1):33-82  
The molecular nature of organic matter  
in lakes and oceans, with lesser  
reference to sewage and terrestrial  
soils

Extensive literature review  
presenting information on the  
isolation or identification of  
adequately & inadequately characterized  
organic compounds from the seston,  
water - dissolved organic matter - &  
sediments of lakes & oceans. The  
isolation or identification of

Wylie, J.C. (1959) 59-5106  
London, Faber & Faber Ltd., 160 p.  
The wastes of civilization

A history of the misuse of natural  
resources; incl. chapter on pollution  
of the oceans & rivers; moves to  
control use & to conserve; the costs  
of waste & of its prevention.

SJH:sjh

MF

<p>Nickel, E. (1957) 59-5107  <u>Z.vergl.Physiol.</u>, 40.42-64  Vergleichend experimentelle Untersuchungen über den Stoffwechsel des isolierten lebenden Kiemengewebes von Regenbogenforelle (<u>Trutta iridea</u> W.Gibb)  (Comparative experimental investigation on the metabolism of isolated living gill tissue in rainbow trout)</p> <p style="text-align: right;">F</p>	<p>de Angelis, R. (1958) 59-5110  <u>Boll.Pesca</u>, 34(5-6):12-5  Lo studio del regime idraulico delle lagune a marea (The study of a hydraulic management in littoral lagoons)</p> <p>Reformulation of Bucchia's work, of 1875, on the characteristics of tidal exchange between the sea &amp; a littoral lagoon through a narrow channel.</p> <p>GLK:glk MF</p>
<p>Oliva, O. (1957) 59-5108  <u>Acta Soc.Zool.Bohemoslov.</u>, 21(4):363-75  Some experiences with the use of fish poisons during the fish populations studies</p> <p style="text-align: right;">MF</p>	<p>Morello, M. (1958) 59-5111  <u>Boll.Pesca</u>, 34(2):1-6  Risultati di una indagine sulla campagna ittiogenica dei salmonidi (Anno 1954-55) (Results of an investigation on the ichthyo-genic campaign of salmonids)</p> <p>Review of fry production by fishery establishments &amp; commercial enterprises, fishery societies, &amp; of the problems of development of inland fisheries.</p> <p>GLK:glk F</p>
<p>de Angelis, R. (1958) 59-5109  <u>Boll.Pesca</u>, 34(5-6):1-11  Nuovi indirizzi tecnici negli impianti di peschiere e lavorieri (New technical approaches in the installation of fish ponds)</p> <p>Account of new types of traps &amp; barriers used in Italian valle &amp; lagoons.</p> <p>GLK:glk MF</p>	<p>Anonymous (1958) 59-5112  <u>Boll.Pesca</u>, 34(2):9-10  La classificazione delle acque salmastre discussa al simposio internazionale di Venezia (The classification of brackish waters discussed at the international symposium at Venice)</p> <p>Notice of the symposium held in April 1958 under the aegis of the International Union of Biological Sciences.</p> <p>GLK:glk MF</p>

Day, A.A. (1959) 59-5113  
Deep-Sea Res., 5:249-65  
The continental margin between Brittany  
and Ireland

Description of the topography &  
sediments of the continental slope.

FAO:t1

M

Northrop, J., M. Blaik 59-5116  
& R. Frassetto (1959)  
Deep-Sea Res., 5:290-6  
Bathymetry of the Gibbs Hill area,  
Bermuda

Description of the bathymetry of the  
area as determined along a number  
of closely spaced sounding tracks.  
Notes on the accurate depth  
determination on the slopes.

FAO:t1

M

Schroeder, W.C. (1959) 59-5114  
Deep-Sea Res., 5:266-82  
The lobster, Homarus americanus, and the  
red crab, Geryon quinque-dens, in the  
offshore waters of the western North  
Atlantic

Results of experimental fishing &  
statistics of commercial catches of  
lobster & red crab on the continental  
slope; notes on migrations of these spp.

FAO t1

M

Worthington, L.V. (1959) 59-5117  
Deep-Sea Res., 5:297-305  
The 18° water in the Sargasso sea

Description of the characteristics  
of surface water in the northern  
Sargasso sea during the winter &  
the movements of this water out of  
the area of formation.

FAO:t1

M

Shor, G.G., Jr. (1959) 59-5115  
Deep-Sea Res., 5:283-9  
Reflexion studies in the eastern  
equatorial Pacific

Results of seismic reflexion survey in  
the boundary regions of present-day  
clay & carbonate deposition.

FAO:t1

M

Folsom, T.R., F.D. Jennings 59-5118  
& R.A. Schwartzlose (1959)  
Deep-Sea Res., 5:306-9  
Effect of pressure upon the  
'protected' oceanographic reversing  
thermometer

Determination of the errors, caused  
by pressure, in slightly differently  
constructed protected reversing  
thermometers.

FAO:t1

M



Hill, M.N. (1959) 59-5119  
Deep-Sea Res., 5:309-11  
A ship-borne nuclear-spin magnetometer  
  
Description of the magnetometer.

FAO:t1

M

Jónsson, J. (1959) 59-5122  
ICNAF Serial No. 593, 1 p.  
Iceland. Program of research in the  
ICNAF area, 1959

Report that sampling of commercial catches in subareas 1, 2 & 3, & that biological, hydrographical & experimental fishing research will be continued in subareas 2 & 3.

FiB:glk

M

Robinson, A. & 59-5120  
H. Stommel (1959)  
Deep-Sea Res., 5:312-4  
Amplification of transient response of the ocean to storms by the effect of bottom topography

Theoretical consideration of the influence of bottom topography on the transient response of the ocean to short-period large-scale fluctuations in the wind.

FAO:t1

M

Wall, R.G.R. (1959) 59-5123  
ICNAF Serial No. 601, 1 p.  
United Kingdom. Program of research in the ICNAF area, 1959

Report that selectivity & length composition studies will be continued.

FiB:glk

M

West Indies. Ministry of 59-5121  
Natural Resources & Agriculture (1959)  
Trinidad, 24 p.  
West Indies Fisheries Bulletin no. 1

Monthly extension bulletin giving information on fisheries of the territories of the Federation & of other countries in the region, on the activities of international organizations concerned with fisheries, & on literature received.

FiB:glk

M

Mattisen, A.E., A.A. Kirillov 59-5124  
& V.N. Pospelov (1958)  
Moskva, 428 p.  
Spravochnik po rybokhoziaistvennoi gidrotekhnike (Pocket guide to fishcultural hydrotechny)

Practical handbook of all engineering work for fish-culture; earth-moving, water control & lifting, construction of bunds, dams & other water retaining works; gates, locks, etc.; electrical installations; weed removal; concrete mixing, carpentry; with detailed standard tables for estimates.

FAO:glk

F

Mansueti, R.J. (1958) 59-5125  
Maryland Tidew.News, 14:1, 4  
 Brief squid discovered in Maryland  
 part of Chesapeake bay

Note on the capture of Lollicuncula  
brevis Blainville on its life-history.

SJH:glk

MF

Cargo, D.G. (1958) 59-5128  
Maryland Tidew.News, 14:6, 8  
 Crabs retain dye from stained food

Note on the retention by crabs of  
 neutral red, from pieces of fish fed  
 to them, the dye then serving as a  
 mark of these crabs.

SJH glk

MF

Butz, G. (1958) 59-5126  
Maryland Tidew.News, 14:3, 4  
 Age of fish revealed by its scales

Popular note on methods of study.

SJH:glk

MF

Das, I. (1958) 59-5129  
Proc.nat.Inst.Sci.India, 24B:273-84  
 Observation on the nutrition of the  
 carp spawn of the Mahanadi river

Early carp spawn has been reared with  
 zooplankton & various other feed with  
 different combinations of protein, fat,  
 carbo-hydrate, roughage & vitamins.  
 The record of growth of various spp.  
 & the total yield has been kept & the  
 value of different type of food has  
 been assessed.

FAO id

F

Beaven, G.F. (1958) 59-5127  
Maryland Tidew.News, 14:5, 8  
 Contribution of shell plantings to  
 Maryland's oyster production

Discussion of the importance of  
 cultch & of factors affecting setting;  
 methods of planting shells & of  
 determining the yields from them;  
 variation in the profit from the use of  
 shells.

SJH:glk

MF

Venkataraman, G.S. (1958) 59-5130  
Proc.nat.Inst.Sci.India, 24B:307-13  
 A contribution to the knowledge of the  
 Diatomaceae of Kanya Kumari (Cape  
 Comorin), India - II.

List of 27 spp., with notes on form,  
 dimensions & habitat of each.

FAO:glk

M

Prasad, R.R. (1958) 59-5131  
Proc.nat.Inst.Sci.India, 24B:214-24  
Notes on the habitat and habits of  
Clevelandia ios (Jordan and Gilbert)

Short description of habitat & an  
account of experiments to analyse  
behaviour at various temperatures;  
analysis of stomach contents as  
approach to study of food & feeding  
habits.

FAO:glk

M

Maubeuge, P.L. (1959) 59-5134  
Bull.Soc.Sci.Nancy, 18(1):132-5  
Notes géologiques. Sur l'âge des  
sables éoliens de Mamers (Sarthe)  
(Geological notes. On the age of the  
aeolian sands of Mamers, Sarthe)

Contents as per title.

FAO:glk

M

Prasad, R.R. (1959) 59-5132  
Proc.nat.Inst.Sci.India, 25B:12-30  
Reproduction in Clevelandia ios (Jordan  
and Gilbert), with an account of the  
embryonic and larval development

Size at 1st maturity, breeding habits  
& sexual dimorphism, embryonic  
development & larval stages of the  
goby, Clevelandia ios.

FAO:rrp

M

Kobayashi, S. & 59-5135  
M. Mogami (1958)  
Bull.Fac.Fish.Hokkaido, 9:29-24  
Effects of x-irradiation upon rainbow  
trout (Salmo irideus) - III. Ovary  
growth in the stages of fry and  
fingerling

Report of changes in ovary weight &  
ovary length in fish subjected to  
various levels of irradiation  
compared with those in controls.

FAO:glk

F

Veillet, A. & 59-5133  
F. Graf (1959)  
Bull.Soc.Sci.Nancy, 18(1):123-7  
Dégénérescence de la glande androgène  
des crustacés décapodes parasités par  
les Rhizocéphales (Degeneration  
of the androgenous gland of decapod  
crustacea by rhizocephalans)

Anatomical & histological notes.

FAO:glk

M

Maeda, T. (1958) 59-5136  
Bull.Fac.Fish.Hokkaido, 9:101-19  
(On the trawl fishing ground off the  
west coast of the Kamchatka peninsula)  
Ni En

Account of the fishing operations & of  
location of valuable grounds;  
tabulation of total catch of each sp.  
& of the average catch at different  
depths; estimate of area of valuable  
trawl ground; some results of tagging  
king crab.

FAO:glk

M



Saito, T., K. Arai 59-5137  
& T. Tanaka (1958)  
Bull.Fac.Fish.Hokkaido, 9:121-6  
(Studies on the organic phosphates in  
muscle of aquatic animals - VI. Effects  
of storing temperature upon the content  
of muscular nucleotides of squid).

Ni En

Fresh muscles of squid were stored at  
-5°C for 50 hours or at 17°C for 24  
hours. The changes in amounts of  
nucleotides, nucleosides & purine bases  
during these periods of storage have  
been followed by the techniques  
described previously.

FAO:ts

M

Page, L. (1958) 59-5140  
Ann.Inst.océanogr., Paris, 35(4):237-42  
Les campagnes scientifiques du  
bathyscaphe F.N.R.S. III 1954-1957  
(The scientific cruises of the  
bathyscaph F.N.R.S. III 1954-1957)

Paper no. 1 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". List of descents;  
collaborators. Brief note on kinds  
of work done; chronological  
bibliography.

GLK:glk

M

Ito, Y. (1958) 59-5138  
Bull.Fac.Fish.Hokkaido, 9:127-37  
(Studies on crystalline whale insulin -  
IV. Structure of sperm- and sei-whale  
insulins). Ni En

Amino-acid composition.

FAO:glk

M

Houot, G. (1958) 59-5141  
Ann.Inst.océanogr., Paris, 35(4) 243-4  
Le bathyscaphe F.N.R.S. III et la  
recherche scientifique (The  
bathyscaph F.N.R.S. III and  
scientific research)

Paper no. 2 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". Brief note on  
development of this craft & the work  
done with it.

GLK:glk

M

Page, L. (1958) 59-5139  
Ann.Inst.océanogr., Paris, 35(4) 237-341  
Résultats scientifiques des campagnes  
du bathyscaphe F.N.R.S. III 1954-1957  
(Scientific results of the cruises of  
the bathyscaph F.N.R.S. III 1954-1957)

Seven papers, 59-5140 to 59-5146,  
describing the bathyscaph & the work  
done with it.

GLK:glk

M

Willm, P. (1958) 59-5142  
Ann.Inst.océanogr., Paris, 35(4) 245-53  
Notes techniques (Technical  
notes)

Paper no. 3 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". General account, ill.,  
of the principles of this craft, its  
main parts, & the layout of the  
interior of the sphere.

GLK:glk

M

Brouardel, G. (1958) 59-5143  
Ann.Inst.océanogr., Paris, 35(4):255-8  
Appareils de prélèvements (Sampling  
apparatus)

Paper no. 4 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". Ill. account of  
apparatus for taking samples of water  
at chosen positions in the course of the  
descent or ascent of the bathyscaph.

GLK:glk

M

Trégouboff, G. (1958) 59-5146  
Ann.Inst.océanogr., Paris, 35(4)  
327-41

Le bathyscaphe au service de la  
planctonologie (The use of the  
bathyscaph in planktonology)

Paper no. 7 of "Résultats scientifi-  
ques des campagnes du bathyscaphe  
F.N.R.S. III 1954-1957". Ecological  
& biological observations on plankton  
in the region of Villefranche-sur-mer  
made from the bathyscaph.

GLK:glk

M

Pérès, J.-M. (1958) 59-5144  
Ann.Inst.océanogr., Paris, 35(4):259-85  
Remarques générales sur un ensemble de  
quinze plongées effectuées avec le  
bathyscaphe F.N.R.S. III (General  
remarks on a series of fifteen descents  
made with the bathyscaph F.N.R.S. III)

Paper no. 5 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". Account of observations  
made, from the bathyscaph, on  
temperature, currents & turbidity; & on  
the distribution & behaviour of pelagic  
& benthonic organisms.

GLK:glk

M

Atz, J.W. (1958) 59-5147  
Anim.Kingd., 61:182-6  
A mouthful of babies

Breeding of Galeichthys felis in  
aquarium.

M

Bernard, F. (1958) 59-5145  
Ann.Inst.océanogr., Paris, 35(4):207-326  
Plancton et benthos observés durant  
trois plongées en bathyscaphe au large  
de Toulon (Plankton and benthos  
observed during three descents in the  
bathyscaph off Toulon)

Paper no. 6 of "Résultats scientifiques  
des campagnes du bathyscaphe F.N.R.S.  
III 1954-1957". Technique of enumeration;  
observations on variations in density  
of plankton; notes of the principal  
recognisable forms; on currents & sesto-  
n benthos.

GLK:glk

M

Bainbridge, R. (1958) 59-5148  
J.exp.Biol., 35(1) 109-33  
The speed of swimming of fish as  
related to size and to the frequency  
and amplitude of the tail beat

NF

Balon, E. (1957) 59-5149  
Mém.Soc.zool.tchécosl., 21(3):193-202  
 K rastu a biometrike lariev mihule  
 potočnej (Lamprocyba planeri Bloch, 1784)  
 z riečky Lučina v Sliezsku  
 (Contribution to the growth and biometry  
 of larvae of the lamprey from the river  
 Lučina in Silesia). En

Benl, G. (1958) 59-5152  
Dat., 11(3):153-7  
Gyrinocheilus aymonieri (Tirant) 1883,  
 Ser "Algae-Feeder" (Gyrinocheilus  
aymonieri Tirant 1883, the voracious  
 eater of algae)

Systematics, morphology, behaviour  
 in aquarium.

F

14

F

Balon, E. (1958) 59-5150  
Landwirtschaft, 5(2):289-301  
 Príspevok k poznaniu veku a rastu  
 plotice lesklej dunajskej (Rutilus rutilus  
virgo) a charakteristike rastu  
 niektorých rýb (A contribution to  
 the age and growth of Rutilus rutilus  
virgo and the characteristic of the  
 growth of some other fishes). En

Gihar, J. (1957) 59-5153  
Mém.Soc.zool.tchécosl., 21(4):311-25  
 Potravní biologie karasa obecného  
 (Carassius carassius m. humilis Heckel  
 1840) (Food and feeding of  
Carassius carassius m. humilis Heckel)  
 En Ru Cs

F

F

Balon, E. (1957) 59-5151  
Landwirtschaft, 4(5):961-86  
 Vek a rast neresového stáda dunajského  
 kapra sazana (Cyprinus carpio morpha  
hungaricus Heck.) z Malého Dunaja nad  
 Kolárovo (Age and growth of  
 spawning shoal of the Danubian wild  
 carp from the smaller Danube above  
 Kolárovo). En

Gihar, J. & 59-5154  
 S. Frank (1958)  
Mém.Soc.zool.tchécosl., 22:13-30  
 Potrava a rast perličky (Scardinius  
erythrophthalmus Linnaeus)  
 (Food and growth of Scardinius  
erythrophthalmus Linnaeus).  
 En Ru Cs

F

F



Desmarais, Y. (1958) 59-5155  
Nat.canad., 85(4):73-8  
Croissance et alimentation comparée de  
la truite du parc des Laurentides et  
de Rimouski (Growth compared to food  
in trout of "parc des Laurentides et de  
Rimouski")

A comparative study of marked  
Salvelinus fontinalis in several lakes.

FAO:hr

Jenkins, R.M. (1957) 59-5158  
Rep.Okla.Fish.Res.Lab., 60:1-21  
Growth of white bass in Oklahoma

Greenwood, P.H. (1958) 59-5156  
Int.Congress of Zool., Sect. II(2) 1-3  
Evolution and speciation in the  
Haplochromis (Pisces, Cichlidae) of  
lake Victoria

Jenkins, R.M. (1958) 59-5159  
Proc.Okla.Acad.Sci., 38:157-72  
The standing crop of fish in  
Oklahoma ponds

Jackson, S.M., Jr. (1958) 59-5157  
Proc.Okla.Acad.Sci., 38:146-54  
Summary of a three-year census on lake  
Eucha and Spavinaw lake, Oklahoma,  
with comparisons of other Oklahoma  
reservoirs

Misik, V. (1958) 59-5160  
Biologicképráce, 4(6) 55-125  
Biometrika Dunajského nádražia  
(Cyprinus carpio carpio L.) z  
dunajského systému na Slovensku  
(Biometrics of the Danube carp from  
the Slovakian Danube)

Wathne, F. (1959) 59-5161  
Comm.Fish.Rev., 21(4):1-26  
Summary report of exploratory long-line  
fishing for tuna in Gulf of Mexico and  
Caribbean sea, 1954-1957

Gives results of subsequent long-line  
cruises by the ORUGON & an analysis of  
the environmental, geographical &  
operational factors which have been  
experienced.

FAO:efa

M

Southgate, B.A. (1959) 59-5164  
Nature, Lond., 183:798-9  
The metropolitan water board  
  
Review of 59-5163.

GLK:

F

vanHaagen, R.H. (1959) 59-5162  
Comm.Fish.Rev., 21(4):27-31  
Fisheries instrumentation laboratory  
offers biologists new research "tools"

Brief account of services of the  
laboratory with notes on several ill.  
examples of modern instrumentation  
applied to fishery research.

FAO:efa

M

Mewellyn, J. (1959) 59-5165  
Nature, Lond., 183:835  
Relationship between Dictyocotyle and  
Calicotyle

A criticism of the conclusions reached  
by Dawes, B. & I. Griffiths, 584514.

GLK:wad

M

Taylor, E.W. (1958) 59-5163  
London, Metropolitan Water Bd, 112 p.  
Thirty-seventh report on the results  
of the bacteriological, chemical and  
biological examination of the London  
waters for the years 1955-1956

F

Dawes, B. & 59-5166  
I. Griffiths (1959)  
Nature, Lond., 183:835-6  
Relationship between Dictyocotyle and  
Calicotyle

A reply to 59-5165.

GLK:wad

M

Scott, D. & 59-5167  
 J.M. Rushforth (1959)  
Nature, Lond., 183:836-7  
 Cover on river bottoms

Describes the relationship between the covered bottom & size of the stones in the cover & discusses its ecological significance with respect to the population density of the macroscopic invertebrate fauna.

GLK:wad

F

Lamb, C.A., O.G. Bentley 59-5170  
 J.M. Boattie (Ed.) (1958)  
New York, Acad. Press, Inc., 410 p.  
 Trace elements

Proceedings of the Conference held at the Ohio Agricultural Experiment Station, Wooster, Ohio, October 14-16, 1957. Contains in part material on the nutrition of algae.

wad

G

Bohlke, J.E. (1958) 59-5168  
Bull. Fla. St. Mus., 3(4):173-8  
 Studies on fishes of the family Characidae - 16. A new Hyphessobrycon from Costa Rica

Hewitt, E.J. (1959) 59-5171  
Nature, Lond., 183:1009  
 Inorganic micronutrients in physiology and agriculture

A review of 59-5170.

GLK wad

G

Anonymous (1959) 59-5169  
Nature, Lond., 183:1005-6  
 Expansion of marine research in the United States

Discusses a statement issued by the National Academy of Sciences National Research Council on the progress of needs of marine science in the USA.

GLK:wad

M

Anonymous (1959) 59-5172  
Nature, Lond., 183:1023  
 Fishing gear of England and Wales

Review of 59-1414.

GLK:

MF



Graham, J.W. & S.C. Cooper (1959) 59-5173  
Nature, Lond., 183:1050-1  
 Biological origin of manganese-rich deposits of the sea floor

Presents evidence from an analysis of a mud sample, indicating that a protein-rich exudate from Foraminifera can provide a substrate which promotes the growth of an unknown organism capable of extracting trace elements from sea waters.

GLK:wad

M

Carruthers, J.W. & al. (1959) 59-5176  
Nature, Lond., 183:1084-7  
 Shorewards upslope of the layer of minimum oxygen off Bombay: its influence on marine biology, especially fisheries

Notes on earlier knowledge of upwelling in the Arabian Sea; description of the subsurface oxygen minimum layer & fish mortalities; vertical distribution of oxygen, phosphates, salinity & temperature off Bombay during October-November 1958, & description of the influence of the seasonal upwelling of oxygen minimum

van Heel, W.H.D. (1959) 59-5174  
Nature, Lond., 183:1063  
 Audio-direction finding in the porpoise (Phocaena phocaena)

Describes experiments using underwater signals to determine acuity of perception of the direction of sound.

GLK:wad

M

59-5176  
 (Card 2)  
 layer on the marine life & fisheries.

GLK:tl

M

Allen, A. & R.E. Alston (1959) 59-5175  
Nature, Lond., 183:1064-5  
 Formation of purple pigment in Spirogyra pratensis cultures

Describes observations & experiments showing that this alga can form an iron-tannin pigment & discusses its significance in relation to toleration of certain natural environments.

GLK:wad

F

Marshall, N.B. (1959) 59-5178  
Nature, Lond., 183:1100  
 Bear island cod  
 A review of 581501.

GLK:

M

Freeman, F. (1959) 59-5179  
Bull. Brit. Mus. (nat. Hist.), 7(9) 393-437  
 A study of the New Zealand Chironomidae  
 (Diptera, Hematocera)

Walker, G. (1959) 59-5182  
 P.J. Syrett (1959)  
Nature, Lond., 183:1193-4  
 Effect of heavy water on the growth of  
Chlorella vulgaris

Describes experiments with specific  
 reference to growth inhibition &  
 synthesis of chlorophyll in cultures  
 grown on glucose.

GLK:wad

F

O'Rourke, F.J. (1959) 59-5180  
Nature, Lond., 183:1192  
 Serological relationships in the genus  
Gadus

Describes these in G. callarias, G.  
aeglefinus & G. pollacius.

GLK:wad

M

Prowse, G.A. (1959) 59-5183  
Nature, Lond., 183:1204-5  
 Relationship between epiphytic algal  
 species and their macrophytic hosts

Describes experiments to determine  
 what species of epiphytes will develop  
 on healthy hosts using a technique in  
 which the host plants are first  
 "cleared" by the use of "Katadyned"  
 water which contains free silver ions  
 in active form, & then transferred to  
 fish ponds where the development of  
 the epiphytes occurs; related this to  
 fish culture.

GLK:wad

F

Ghiretti, F. (1959) 59-5181  
Nature, Lond., 183:1192-3  
 Cephalotoxin: the crab-paralysing  
 agent of the posterior salivary glands  
 of cephalopods

Describes procedure for extraction &  
 purification of this protein from  
Sepia officinalis, indicates that a  
 similar procedure can be followed with  
Octopus vulgaris & O. macropus, &  
 describes methods of testing its  
 effect on Eriphia spinifrons.

GLK:wad

M

Pratt, D.B. & 59-5184  
 G. Maddell (1959)  
Nature, Lond., 183:1208-9  
 Adaptation of marine bacteria to  
 growth in media lacking sodium  
 chloride

Describes experiments using synthetic  
 sea water lacking only sodium  
 chloride.

GLK:wad

M

Barnes, H. (1958) 59-5185  
London, G. Allen & Unwin, Ltd., 210 p.  
Oceanography and marine biology: a  
book of techniques

Parry, G., F.G.T. Holliday 59-5188  
 & J.H.S. Blaxter (1959)  
Nature, Lond., 183:1248-9  
'Chloride-secreting' cells in the  
gills of teleosts

Describes some experiments on &  
 discusses the question of whether  
 the acidophil cells of gills &  
 pseudobranch are concerned with salt  
 exchange.

GLK:wad

MF

Wells, A.L. (1959) 59-5186  
London & New York, F. Warne & Co., 192 p.  
Garden ponds, fish and fountains

Stubbings, H.G. (1959) 59-5189  
Nature, Lond., 183:1282  
Abnormal development of the basis in  
Balanus amphitrite var. stutsburi  
Darwin

Describes museum specimens - 19th  
 century - showing the deformed basis  
 characteristic of barnacles growing  
 on unfavorable or toxic substances.

GLK:wad

M

U.K. Central Advisory 59-5187  
 Water Committee (1959)  
London, H.M.S.O., 20 p.  
Report of the sub-committee on  
information on water resources

Greenwood, P.H. (1959) 59-5190  
Bull. Brit. Mus. (nat. Hist.), 5(7):163-218  
The monotypic genera of cichlid  
fishes in lake Victoria - Part 2;  
and a revision of the lake Victoria  
Haplochromis species (Pisces Cichlidae)  
Part 3



Mortimer, C.H. (1959) 59-5191  
Nature, Lond., 183:1305-6  
 The National Oceanographic Council  
 A review of 59-1827.

Anonymous (1959) 59-5194  
Comm. Fish. Rev., 21(4):37-8  
 California - Investigation of abalone  
 resources continued (M/V NAUTILUS and  
 diving boat MOLLUSK, cruise 58-N-2)  
 Contents as per title.

GLK:

M

FAO.

M

Burkholder, P.R., L.M. 59-5192  
 Burkholder & J.A. Rivero (1959)  
Nature, Lond., 183:1338-9  
 Chlorophyll a in some corals and  
 marine plants

Describes a study to assess the  
 chlorophyll potential of corals &  
 sea anemones & compares them with  
 other photosynthetic systems of  
 algae & flowering plants in a  
 tropical marine environment.

GLK:wad

M

Anonymous (1959) 59-5195  
Comm. Fish. Rev., 21(4):38-9  
 California sardines - Landings in  
 1958 season best in seven years  
 Contents as per title.

FAO:

M

Fryer, G. (1959) 59-5193  
Nature, Lond., 183:1342-3  
 Development in a mutelid lamelli-  
 branch

Describes the life-history of the  
 African Mutela bourguignati whose host  
 is Barbus altianalis radcliffi.

GLK wad

F

Anonymous (1959) 59-5196  
Comm. Fish. Rev., 21(4):41-2  
 Fish farming - FAO loans expert to  
 Fish and Wildlife Service

Contents as per title.

FA

F

Anonymous (1959) 59-5197  
Comm.Fish.Rev., 21(4):42-3  
Gulf exploratory fishery program -  
Experimental mid-water trawl fishing  
off the Mississippi delta (M/V ORBCON  
cruise 56)

Contents as per title.

FAO: M

Anonymous (1959) 59-5198  
Comm.Fish.Rev., 21(4):45  
Menhaden - United States landings,  
1956-1958

Contents as per title.

FAO: M

Anonymous (1959) 59-5198  
Comm.Fish.Rev., 21(4):43-4  
Gulf exploratory fishery program -  
Lampara seines and hauling equipment  
tested off Florida west coast (M/V  
GEORGE M. BOWERS cruise 16)

Contents as per title.

FAO: M

Anonymous (1959) 59-5199  
Comm.Fish.Rev., 21(4):46-7  
North Atlantic fisheries  
exploration and gear research -  
Commercial stocks of tuna found in  
western North Atlantic (M/V DELAWARE  
cruise 59-1)

Contents as per title.

FAO: M

Anonymous (1959) 59-5199  
Comm.Fish.Rev., 21(4):44  
Gulf exploratory fishery program -  
Red snapper experimental trawling  
continued (M/V SILVER BAY cruise 14)

Contents as per title.

FAO: M

Anonymous (1957) 59-5200  
Comm.Fish.Rev., 21(4):47-9  
Oceanography - Wider study of the  
sea urged

Contents as per title.

FAO: M

Anonymous (1959) 59-5203  
Comm.Fish.Rev., 21(4):49  
Oregon - Fish and shellfish landings,  
1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5206  
Comm.Fish.Rev., 21(4):53  
Striped bass - Survey shows excellent  
crop of young in Chesapeake bay

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5204  
Comm.Fish.Rev., 21(4):50  
Pacific oceanic fishery investigations -  
Skipjack tuna migration studies  
initiated (M/V HUGH M. SMITH)

Contents as per title.

FAO:

M

Anonymous (1959) 59-5207  
Comm.Fish.Rev., 21(4):54-5  
United States fishing fleet  
additions - November 1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5205  
Comm.Fish.Rev., 21(4):51-2  
Sea otter food habits under study

Contents as per title.

FAO:

M

Anonymous (1959) 59-5208  
Comm.Fish.Rev., 21(4):60-1  
International Pacific Halibut  
Commission - Halibut regulations for  
1959

Contents as per title.

FAO:

M



Anonymous (1959) 59-5209  
Comm.Fish.Rev., 21(4):61  
Northwest Pacific fisheries - Japanese-  
Russian conference

Contents as per title.

FAO:

MF

Anonymous (1959)  
Comm.Fish.Rev., 21(4):63-5  
Argentina - Fishing industry trends,  
1957-1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5210  
Comm.Fish.Rev., 21(4):62  
Whaling - Japan announces conditional  
withdrawal from convention

Contents as per title.

FAO:

M

Anonymous (1959) 59-5213  
Comm.Fish.Rev., 21(4):65  
Australia - Tuna catch good off  
New South Wales

Contents as per title.

FAO:

M

Anonymous (1959) 59-5211  
Comm.Fish.Rev., 21(4):62-3  
United Kingdom will not withdraw from  
International Whaling Convention

Contents as per title.

FAO

M

Anonymous (1959) 59-5214  
Comm.Fish.Rev., 21(4):65-6  
Australia - Tuna fishing season in  
1958 sets record

Contents as per title.

FAO

M

Anonymous (1959) 59-5215  
Comm.Fish.Rev., 21(4):66  
Australia - New South Wales shrimp  
regulations

Contents as per title.

W

E

Anonymous (1959) 59-5218  
Comm.Fish.Rev., 21(4):68-9  
Chile - Licensing regulations for  
foreign fishing vessels proposed

Contents as per title.

FAO

E

Anonymous (1959) 59-5216  
Comm.Fish.Rev., 21(4):67-8  
Canada - Progress report on control  
of sea lamprey in Great Lakes

Contents as per title.

FAO

MF

Anonymous (1959) 59-5219  
Comm.Fish.Rev., 21(4):69  
Colombia - Amount of bond required  
for shrimp fishing permit revised

Contents as per title.

FAO:

M

Anonymous (1959) 59-5217  
Comm.Fish.Rev., 21(4):68  
Ceylon - Fresh-water fisheries being  
developed

Contents as per title.

FAO.

F

Anonymous (1959) 59-5220  
Comm.Fish.Rev., 21(4):69  
Costa Rica - Spiny lobster landings  
lower in 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-5221  
Comm.Fish.Rev., 21(4):70-1  
Denmark - Fishery trends, 1958  
Contents as per title.

FAO: M

Anonymous (1959) 59-5224  
Comm.Fish.Rev., 21(4) 73  
France - Largest tuna fishing vessel  
launched  
Contents as per title.

FAO: M

Anonymous (1959) 59-5222  
Comm.Fish.Rev., 21(4):71  
East Africa - Tuna stocks in Indian  
ocean studied  
Contents as per title.

FAO: M

Anonymous (1959) 59-5225  
Comm.Fish.Rev., 21(4):73  
Greece - Development of Atlantic  
ocean fishery  
Contents as per title.

FAO: M

Anonymous (1959) 59-5223  
Comm.Fish.Rev., 21(4):72  
Egypt - Fishing industry, 1957  
Contents as per title.

FAO: MF

Anonymous (1959) 59-5226  
Comm.Fish.Rev., 21(4):74  
Greece - Sponge fishery, 1958  
Contents as per title.

FAO: M



Anonymous (1959) 59-5227  
Comm.Fish.Rev., 21(4):74  
Iceland - Fishery landings, 1958

Contents as per title.

FAO

F

Anonymous (1959) 59-5230  
Comm.Fish.Rev., 21(4):77-8  
Liberia - fishing industry

Contents as per title.

FAO

MF

Anonymous (1959) 59-5228  
Comm.Fish.Rev., 21(4):74-5  
Iceland - Winter trawl fisheries  
trends

Contents as per title.

FAO

F

Anonymous (1959) 59-5231  
Comm.Fish.Rev., 21(4):78  
Mexico - Shrimp landings in 1958  
break record

Contents as per title.

FAO

M

Anonymous (1959) 59-5229  
Comm.Fish.Rev., 21(4):77  
Republic of Korea - Landings and  
exports of fishery products, 1958

Contents as per title.

FAO

MF

Anonymous (1959) 59-5232  
Comm.Fish.Rev., 21(4):78  
Mexico - Merida shrimp fishery  
trend

Contents as per title.

FAO

M

Anonymous (1959) 59-5233  
Comm.Fish.Rev., 21(4):79  
Mexico - Protocol to International  
Whaling Convention approved  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5236  
Comm.Fish.Rev., 21(4):81-2  
Norway - Winter herring fishery  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5234  
Comm.Fish.Rev., 21(4):79-80  
Morocco - Sardine vessel outfitted with  
electrical fishing equipment  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5237  
Comm.Fish.Rev., 21(4):82  
Norway - Winter herring schools  
arrive late  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5235  
Comm.Fish.Rev., 21(4):80-1  
Netherlands - Annual whaling report  
for 1957-58  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5238  
Comm.Fish.Rev., 21(4):82  
Norway - Winter herring fisheries  
hampered by storms  
  
Contents as per title.

FAO:

M

Anonymous (1959) 59-5239  
Comm.Fish.Rev., 21(4):83  
Pakistan - Japanese continue to show  
interest in development of East  
Pakistan fisheries

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5242  
Comm.Fish.Rev., 21(4):84-5  
Peru - Fisheries trends, fourth  
quarter 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-5240  
Comm.Fish.Rev., 21(4):83  
Panama - Shrimp fishery trends, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-5243  
Comm.Fish.Rev., 21(4):85  
Poland - Fishery landings, 1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-5241  
Comm.Fish.Rev., 21(4):83-4  
Panama - Laws and regulations affecting  
shrimp fishery

Contents as per title.

FAO:

M

Anonymous (1959) 59-5244  
Comm.Fish.Rev., 21(4):86  
Portugal - Sardine landings in 1958  
break record

Contents as per title.

FAO:

M



Anonymous (1959) 59-5245  
Comm.Fish.Rev., 21(4):86  
Portugal - Fisheries trends, October  
1958

Contents as per title.

FAO: M

Anonymous (1959) 59-5248  
Comm.Fish.Rev., 21(4):88-9  
Spain - Fisheries labor problems

Contents as per title.

FAO: M

Anonymous (1959) 59-5246  
Comm.Fish.Rev., 21(4):87  
Singapore - Japanese to train local  
fishermen

Contents as per title.

FAO: M

Anonymous (1959) 59-5249  
Comm.Fish.Rev., 21(4):89  
Sweden - Sea fishery laboratory  
research program for 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-5247  
Comm.Fish.Rev., 21(4):88  
Spain - Territorial waters

Contents as per title.

FAO: M

Anonymous (1959) 59-5250  
Comm.Fish.Rev., 21(4):90  
Taiwan (Formosa) - Fisheries  
landings in 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-5251  
Comm.Fish.Rev., 21(4):90  
Taiwan (Formosa) - Whaling in 1958  
Contents as per title.

FAO: M

Anonymous (1959) 59-5254  
Comm.Fish.Rev., 21(4):91  
U.S.S.R. - New seven-year plan  
for fisheries  
Contents as per title.

FAO: M

Anonymous (1959) 59-5252  
Comm.Fish.Rev., 21(4):90  
Taiwan (Formosa) - Pesticides used in  
milkfish ponds  
Contents as per title.

FAO: F

Anonymous (1959) 59-5255  
Comm.Fish.Rev., 21(4):91  
U.S.S.R. - Fishery research  
facilities  
Contents as per title.

FAO: MF

Anonymous (1959) 59-5253  
Comm.Fish.Rev., 21(4):90-1  
Union of South Africa - Spiny lobster  
catches good off Cape Peninsula  
Contents as per title.

FAO: M

Horton, P.A. (1958) 59-5256  
Thesis, Exeter Univ.,  
The bionomics of brown trout (Salmo  
trutta) in a Dartmoor stream

F

National Shellfisheries Association (1957) 59-5257  
Washington, 167 p.  
1956 Proceedings vol. 47

Contains papers 580351 to 580354 & 59-5258 to 59-5269, contributed to the convention symposium on production & utilization of seed oysters; technical papers on biology of shellfish & shellfish enemies; environmental conditions, shellfish food, shellfish poison, shellfish technology & public health aspects. Incl. notes on association affairs.

FAO:efa

MF

Gunter, G., C.E. Dawson 59-5260  
& Wm.J. Demoran (1957)  
Proc.nat.Shellfish.Ass., 47(1956):31-  
Determination of how long oysters have been dead by studies of their shells

Account of experiments on setting some limits upon ages of dead shells as indicated by the fouling organisms.

FAO:efa

MF

Cronin, L.E. (1957) 59-5258  
Proc.nat.Shellfish.Ass., 47(1956):2  
Symposium on the production and utilization of seed oysters

Brief notes on the purpose of symposium, & fundamental & economic problems involved.

FAO:efa

MF

Shuster, C.N., Jr. (1957) 59-5261  
Proc.nat.Shellfish.Ass., 47(1956):  
34-42  
On the shell of bivalve mollusks

Account of observations on the age determination, comparative anatomy & ecology of bivalves & relation of shell growth to environmental conditions.

FAO:efa

MF

Chestnut, A.F. (1957) 59-5259  
Proc.nat.Shellfish.Ass., 47(1956):18  
The seed oyster problems of North Carolina

Abstr. only. A brief review of industry with notes on problems regarding seed-oysters.

FAO:efa

M

Chestnut, A.F., W.E. Fahy 59-5262  
& H.J. Porter (1957)  
Proc.nat.Shellfish.Ass., 47(1956):50-6  
Growth of young Venus mercenaria, Venus campechiensis, and their hybrids

Account of studies with clams under 30mm spawned from known parent & grown under laboratory conditions. Notes on rate of growth & survival.

FAO:efa

M



Hopkins, S.H. (1957) 59-5263  
Proc.nat.Shellfish.Ass., 47(1956):50-61  
Our present knowledge of the oyster  
parasite Bucephalus

Puts on record, for oyster biologists,  
what parasitologists now know about  
oyster-castrating flatworm.

FAO:efa

M

Dunn, G.E. (1957) 59-5266  
Proc.nat.Shellfish.Ass., 47(1956):  
104-8

Some features of the hurricane  
problem

Brief notes on formation & movement  
of hurricanes with reference to  
hurricane tides.

FAO:efa

M

Woelke, C.E. (1957) 59-5264  
Proc.nat.Shellfish.Ass., 47(1956):62-7  
The flatworm Pseudostylochus ostreo-  
phagus Hyman, a predator of oysters

Notes on general biology, life history  
& control of this newly introduced  
oyster predator to Pacific coast beds.

FAO:efa

M

Butler, P.A. & 59-5267  
A.J. Wilson, Jr. (1957)  
Proc.nat.Shellfish.Ass., 47(1956):  
109-13

A continuous water sampler for  
estimation of daily changes in  
plankton

Describes water collecting device  
with notes on its application &  
advantages.

FAO:efa

MF

Glude, J.B. (1957) 59-5265  
Proc.nat.Shellfish.Ass., 47(1956):73-82  
Copper, a possible barrier to oyster  
drills

Account of laboratory experiments on the  
effectiveness of different metallic drill  
barriers. Tests show that oyster drill  
Urosalpinx would not crawl across clean  
copper or brass although it would cross  
iron, zinc, & Saran plastic. Incl.  
notes on application.

FAO:efa

M

McFarren, E.F. & al. (1957) 59-5266  
Proc.nat.Shellfish.Ass., 47(1956):  
114-41

Public health significance of  
paralytic shellfish poison: a review  
of literature and unpublished  
research

Review of subject under headings:  
Source of poison Occurrence &  
distribution of toxic shellfish;  
Characteristics of the poison; &  
Prevention & control. Incl. full  
bibliographic list.

FAO:efa

MF

Fingerman, H. 59-5269  
 L.D. Fairbanks (1957)  
Proc.nat.Shellfish.Ass., 47(1956):146-7  
 Investigations of the body fluid and  
 "brown-spotting" of the oyster

Brief account of observations on the  
 physiology of the body fluid & the  
 phenomenon of 'brown-spotting' in  
Crassostrea virginica.

FAO:efa

M

Dow, R.L. (1958) 59-5272  
Proc.nat.Shellfish.Ass., 48(1957):23-9  
 Sanitary criteria for shellfish by  
 species and by area

Account of studies conducted in Maine  
 to evaluate the relative importance  
 of hydrographic, geological &  
 biological factors having actual or  
 potential influence on sanitary  
 qualities of shellfish growing areas  
 & with notes on experiments to  
 establish standards for Mytilus  
edulis & Mya arenaria.

FAO:efa

M

National Shellfisheries 59-5270  
 Association (1958)  
 Chapel Hill, N.C., 207 p.  
 1957 proceedings vol. 48

Contains papers 59-5271 to 59-5293,  
 on biology, sanitation, ecology,  
 physiology & morphology of shellfish;  
 parasites & predators. Incl. brief  
 biography of honorary members.

FAO:efa

MF

Gregory, R.H., R.L. Hill 59-5273  
 & J.A. Hope, Jr. (1958)  
Proc.nat.Shellfish.Ass., 48(1957)  
 30-43

Bacteriological studies of harvesting  
 and processing of oyster in Virginia

Notes on methods of examination,  
 changes in bacterial quality of  
 oysters during processing & evaluation  
 of bacterial densities.

FAO:efa

M

Galtsoff, P.S. (1958) 59-5271  
Proc.nat.Shellfish.Ass., 48(1957):8-22  
 The past and future of oyster research

Discusses & reviews main phases of  
 oyster research carried on during  
 1921 to 1951; with notes on future  
 trends; full bibliographic list.

FAO:efa

M

Lunz, G.R. (1958) 59-5274  
Proc.nat.Shellfish.Ass., 48(1957):  
 44-51

Unused oyster shell in South Carolina  
 suitable for seed oyster production

Discusses possibility of washed  
 shells as suitable cultch for seed  
 oyster.

FAO

M

Chanley, P.E. (1958) 59-5275  
Proc.nat.Shellfish.Ass., 48(1957) 52-65  
 Survival of some juvenile bivalves in  
 water of low salinity

Gives some effects of low salinities &  
 of changes in salinity & adaptation  
 & survival of juveniles of Venus  
mercenaria, Ensis directus, Mya  
arenaria, Crassostrea virginica, Ostrea  
edulis & Brachidontes recurvus.

FAO:efa

M

Westley, R.E. (1958) 59-5278  
Proc.nat.Shellfish.Ass., 48(1957)  
 79-82

An automatic water sampler for  
 marine shore stations

Describes an automatic sampler that  
 takes hourly samples of natural  
 waters for a week for measurements  
 of salinities, some pollutants, &  
 possibly bacteriological or plankton  
 samples subject to particular  
 requirements of storage, evaporation  
 & contamination of samples.

FAO:efa

M

Menzel, R.W., H.C. Hulings 59-5276  
 & R.R. Hathaway (1958)  
Proc.nat.Shellfish.Ass., 48(1957) 66-71  
 Causes of depletion of oysters in St.  
 Vincent Bar, Apalachicola bay, Florida

Contents as per title.

FAO:efa

M

Boosanoff, V.L. 59-5279  
 C.A. Nomejko (1958)  
Proc.nat.Shellfish.Ass., 48(1957) 83-9  
 Burial as a method for control of the  
 common oyster drill, Urosalpinx  
cinerea, of Long Island sound

Account of experiments to determine  
 the % mortality of this sp. buried  
 beneath bottom material. Suggests  
 simple method for controlling.

FAO:efa

M

Engle, J.B. (1958) 59-5277  
Proc.nat.Shellfish.Ass., 48(1957) 72-8  
 The seasonal significance of total  
 solids of oysters in commercial  
 exploitation

Notes on seasonal fluctuations of total  
 solids of oyster meats, with reference  
 to harvesting seasons for optimum  
 quality of oysters.

FAO:efa

M

Kunkle, D.E. (1958) 59-5280  
Proc.nat.Shellfish.Ass., 48(1957) 90-1  
 The vertical distribution of oyster  
 larvae in Delaware bay

Contents as per title.

FAO:efa

M



Sparks, A.K., J.L. Boswell 59-5281  
 & J.G. Mackin (1958)  
Proc.nat.Shellfish.Ass., 48(1957):92-102  
 Studies on the comparative utilization  
 of oxygen by living and dead oysters

Account of experiments to determine  
 oxygen requirements by a dead oyster  
 in disintegration & a live oyster  
 for respiration. States that former do  
 not use appreciably greater amount  
 of oxygen than latter.

FAO:efa

M

Smith, R.J. (1958) 59-5284  
Proc.nat.Shellfish.Ass., 48(1957):  
 115-24  
 Filtering efficiency of hard clams  
 in mixed suspensions of radioactive  
 phytoplankton

Account of investigations on the  
 efficiency of Merconaria (=Venus)  
mercenaria L. in filtering  
Gymnodinium & Carteria, algal cells  
 of different sizes.

FAO:efa

M

Cox, K.W. (1958) 59-5282  
Proc.nat.Shellfish.Ass., 48(1957):103-9  
 Notes on the California abalone  
 fishery

Reviews Haliotis rufescens, H.  
corrugata & H. fulgens fishery in the  
 district. Incl. notes on life history,  
 movement & migration, & transplanting.

FAO:efa

M

Fingerman, M. & 59-5285  
 L.D. Fairbanks (1958)  
Proc.nat.Shellfish.Ass., 48(1957):  
 125-33  
 Histophysiology of the oyster kidney

Describes the morphology & physiology  
 of the kidney - organ of Bojanus -  
 in Crassostrea virginica.

FAO:efa

M

Manning, J.H. & 59-5283  
 H.T. Pfitzenmeyer (1958)  
Proc.nat.Shellfish.Ass., 48(1957):110-4  
 The Maryland soft shell clam industry:  
 its potentials and problems

Briefly discusses the problems  
 confronting the industry.

FAO:efa

M

Guillard, R.R. (1958) 59-5286  
Proc.nat.Shellfish.Ass., 48(1957):  
 134-42  
 Some factors in the use of nanno-  
 plankton cultures as food for larval  
 and juvenile bivalves

Account of feeding experiments with  
 larvae & juveniles of Crassostrea  
virginica & Venus mercenaria.

FAO:efa

M

Tripp, M.R. (1958) 59-5287  
Proc.nat.Shellfish.Ass., 48(1957):143-7  
 Disposal by the oyster of intra-  
 cardially injected red blood cells of  
 vertebrates

Account of studies in elucidating  
 defense mechanisms of Crassostrea  
virginica Gmelin by histological  
 determination of the fates of various  
 vertebrate erythrocytes injected  
 intracardially into the oyster.

FAO:efa

M

Galtsoff, P.S. (1958) 59-5290  
Proc.nat.Shellfish.Ass., 48(1957):  
 154-61

Observations on muscle attachments,  
 ciliary motion, and the pallial  
 organ of oysters

Contents as per title.

FAO:efa

M

Eble, A.F. (1958) 59-5288  
Proc.nat.Shellfish.Ass., 48(1957)  
 148-51

Some observations on blood circulation  
 in the oyster, Crassostrea virginica

Deals with the venous return & gill  
 circulation of this sp.

FAO:efa

M

Feng, S.Y. (1958) 59-5291  
Proc.nat.Shellfish.Ass., 48(1957):  
 162-73

Observations on distribution and  
 elimination of spores of Nematopsis  
ostrearum in oysters

Account of investigations on the  
 distribution of cysts in the mantle  
 margin & evidence of discharge of  
 spores by oysters.

FAO:efa

M

Gunter, G. (1958) 59-5289  
Proc.nat.Shellfish.Ass., 48(1957) 152-3  
 An abnormal Virginia oyster with a  
 bifurcated muscle

Description of the muscle structure  
 of the specimen.

FAO:efa

M

Cooley, H.R. (1958) 59-5292  
Proc.nat.Shellfish.Ass., 48(1957):  
 174-88

Incidence and life history of Parorchis  
acanthus, a digenetic trematode, in  
 the southern oyster drill, Thais  
haemastoma

Gives compiled information on life  
 cycle, known hosts, reported localities,  
 synonymy & morphological description  
 of developmental stages of this sp.  
 Briefly describes the pathology of  
Parorchis infection in T. haemastoma.  
 Incl. discussion on the possible use of  
 this trematode as a biological control  
 agent for T. haemastoma.

FAO:efa

M

Hathaway, R.R. (1958) 59-5293  
Proc.nat.Shellfish.Ass., 48(1957):189-94  
 The crown conch Melongena corona Gmelin;  
 its habits, sex ratios, and possible  
 relations to the oyster

Account of studies on the abundance  
 & frequent association of this sp.  
 with oysters on west coast of Florida.

FAO:efa

Healy, A.J. (1959) 59-5296  
Trans.roy.Soc.N.Z., 36(1-2):113-8  
 Contributions to a knowledge of the  
 adventive flora of New Zealand, no. 7

Lists adventive spp. present in  
 lowland swamp forest, with records of  
 new spp. Daphne laureola L., Poa  
infirmata H.B.K., Taxus baccata L. &  
Euonymus phellomana Loes.

FAO:efa

F

Crosby, L.H. & 59-5294  
 E.J.F. Wood (1959)  
Trans.roy.Soc.N.Z., 86(1-2):1-58  
 Studies on Australian and New Zealand  
 diatoms - II. Normally epontic and  
 benthic genera

Gives taxonomy of epontic & benthic  
 diatom flora of estuaries with  
 descriptions & ill. In addition,  
 information given on seasonal  
 distribution of diatoms, their  
 significance as indicators, importance  
 in food cycle, & marine fouling.

FAO:efa

MF

Garrick, J.A.F. (1959) 59-5297  
Trans.roy.Soc.N.Z., 86(1-2) 127-41  
 Studies on New Zealand Elasmobranchii.  
 Part VII.- The identity of specimens  
 of Centrophorus from New Zealand

Gives determination keys for  
Centrophorus plunketi Waite, C.  
nilsoni Thompson, C. waitei Thompson,  
C. calceus Lowe & C. foliaceus Gunther.

FAO:efa

F

Cunningham, G.H. (1959) 59-5295  
Trans.roy.Soc.N.Z., 86(1-2):65-103  
 Hydreae of New Zealand - Part II. The  
 genus Odontia

Gives detailed description of 25 spp.,  
 with notes on distribution, hosts &  
 comparative features. An ill. diagnostic  
 key to spp. is appended.

FAO:efa

F

Robinson, E.S. (1959) 59-5298  
Trans.roy.Soc.N.Z., 36(1-2):143-53  
 Records of cestodes from marine  
 fishes of New Zealand

Lists 12 spp. of cestodes recorded  
 with a detailed account of anatomy  
 of the adult Hepatoxylon mega-  
cephalus Rudolphi.

FAO:efa

M



Fingerman, M., M.I. Sandeen 59-5299  
 & M.E. Lowe (1959)  
Physiol.Zool., 32:128-49  
 Experimental analysis of the red chroma-  
 tophore system of the prawn Palaemonetes  
vulgaris

Study of the effects of long-term  
 background adaptation upon the chromato-  
 phore system & the electrophoretic  
 behaviour of the chromatophorotropins.

FAO:glk

MF

59-5301  
 (Card 2)

development of fish marketing;  
 analyses of regulation of fishing  
 & processing; formulation of  
 recommendation to government dealing  
 with general development of fishing  
 industry & its markets.

SJH:efa

F

Slijper, E.J. (1958) 59-5300  
Amsterdam, 524 p.  
 Walvissen (Knowledge on whales)

Ill. monographed encompassing chapters  
 on man & whales, anatomy, swimming &  
 speed, breathing & the respiratory  
 system, hearing, sight, smell, feeding  
 & breeding.

FAO:chr

M

Andrews, P.H. (Comp.) (1959) 59-5303  
FAO, Rome, 16 p.  
 Catalogue of FAO fisheries  
 publications - May 1959

Lists titles, prices of periodicals  
 & individual titles of irregular  
 serial publication; incl. ETAP  
 reports, & publications of GFCM &  
 IFFC; training centre reports;  
 available reprints of articles in  
 periodicals.

FiB:sjh

MF

Crutchfield, J.A. (1959) 59-5301  
Rep.F.A.O./L.E.A.P., (998) 146 p.  
 Report to the Government of Uganda on  
 fish marketing in Uganda (June 1957 to  
 June 1958)

Report of author's assignment FAO under  
 UN Expanded Technical Assistance  
 Program. Gives detailed account of  
 studies on development of more adequate  
 description of existing marketing  
 structure; analysis of present &  
 potential export markets & import  
 sources; delineating obstacles  
 impeding efficient operation &

Sandvaer, G. (1958) 59-5304  
Arbeidet.Forg.Fisk., (5) 128 p.  
Lofotfisket 1958 (Lofoten  
 fishery 1958)

Fishing conditions, participants,  
 types & amounts of gear & its  
 deterioration; catches by areas &  
 types of gear.

FAO:tl

Laws, R.M. & 59-5305  
 R.J.F. Taylor (1957)  
Proc.zool.Soc.Lond., 129(3):315-24  
 A mass dying of crabeater seals,  
Lobodon carcinophagus (Gray)

In 1955 large numbers of this seal  
 wintered on the ice in the Crown  
 Prince Gustav channel off Graham Land.  
 In the spring most of them died &  
 specimens were collected. Examination  
 of these specimens provided information  
 on the cause of death & on the ages of  
 the seals. (issued as: Coll.Repr.Wormley  
nat.Inst.Oceanogr., 6(211), 1958).  
 GLK:rm1 M

Laws, R.M. (1958) 59-5308  
Proc.zool.Soc.Lond., 130(2):275-88  
 Growth rates and ages of crabeater  
 seals, Lobodon carcinophagus Jacquinot  
 & Pucheran

The internal growth rings of the teeth  
 of the crabeater seal, L. carcino-  
phagus, are described & the annual  
 pattern established. Using ages  
 determined from the growth rings in the  
 canine teeth, an average growth curve  
 for body length has been constructed &  
 is compared with earlier estimates of  
 the rate of growth in the 1st few years.  
 (issued as: Coll.Repr.Wormley nat.Inst.  
Oceanogr., 6(224), 1958).  
 GLK:rm1 M

Draper, L. (1957) 59-5306  
Houille blanche, (6):6 p.  
 Attenuation of sea waves with depth.  
 En Fr

Experimental comparison of surface  
 waves with the pressure changes  
 produced by them on the sea bed at a  
 point fairly near to a beach. The  
 attenuation of the waves is compared  
 with that calculated by classical  
 hydrodynamic theory. An empirical  
 equation is evolved which agrees with  
 these results. (issued as: Coll.Repr.  
Wormley nat.Inst.Oceanogr., 6(213), 1958).  
 GLK:ld M

Tucker, M.J. (1958) 59-5309  
J.sci.Instrum., 35:167-71  
 An electronic feedback seismograph

The seismograph described has a  
 nearly uniform response to ground  
 oscillations whose periods lie  
 between 1.5s & 12s, which is the range  
 of particular interest for research  
 on microseisms generated by sea waves.  
 (issued as: Coll.Repr.Wormley nat.  
Inst.Oceanogr., 6(232), 1958).  
 GLK:mjt M

Cartwright, D.E. (1958) 59-5307  
Sci.Progr., (181) 83-91  
 Physical oceanography

Review of recent theory for the  
 prediction of ship-motion spectra & of  
 the use to be made therein of data on  
 the relation between waves & wind, with  
 an account of progress in the hydro-  
 dynamical theory behind the transfer  
 function relating ship motion to waves,  
 & discussion of future prospects in  
 this work. (issued as: Coll.Repr.Wormley  
nat.Inst.Oceanogr., 6(223), 1958).  
 GLK:glk M

Deacon, G.E.R. (1958) 59-5310  
Impulse, March, 1958, 7 p.  
 British studies in oceanography

Account of some of the work of the  
 National Institute of Oceanography.  
 (issued as: Coll.Repr.Wormley nat.  
Inst.Oceanogr., 6(235), 1958).  
 GLK:glk M

Crease, J. (1958) 59-5311  
J.Fluid Mech., 4(3):306-20

The propagation of long waves into a semi-infinite channel in a rotating system

Theoretical investigation to seek a partial explanation of the behaviour of tides & storm surges in the North Sea. 2 models of this region are discussed. One of 2 parallel semi-infinite barriers in the path of a plane progressive wave, the other of 2 parallel barriers, one semi-infinite & the other infinite. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(237) 1958).

GLK jc

M

Longuet-Higgins, M.S.(1958) 59-5314  
Proc.roy.Soc., 246A:99-118

On the intervals between successive zeros of a random function

A new approach is suggested to the problem of the statistical distribution of the intervals between successive zeros of a random, Gaussian function. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(244), 1958).

GLK msl

MF

Charnock, H. (1958) 59-5312  
Sci.Progr., 46(183):470-87  
Meteorology

Review of progress in studies of wind, temperature, & humidity gradients near the ground. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(242), 1958).

GLK:glk

MF

Cartwright, D.E. (1958) 59-5315  
Proc.roy.Soc., 247A 22-48

On estimating the mean energy of sea waves from the highest waves in a record

An analysis is made of the probability distribution of the largest values attained by a stationary random variable  $f(t)$  over a period of time containing several oscillations. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(245), 1958).

GLK dec

M

Charnock, H. (1958) 59-5313  
Sci.Progr., 46(183):487-501  
Physical oceanography

Review of progress in studies of wind-generated waves. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(243), 1958).

GLK:glk

M

Carruthers, J.N. (1958) 59-5316  
Fish.News, Lond., (2362):6-7

Seine net fishermen can easily observe bottom currents for themselves

Description of a simple device with which to ascertain the speed & direction of bottom currents, for use by fishermen. (issued as: Coll.Repr.Wormley nat.Inst.Oceanogr., 6(246), 1958).

GLK 11

M



Gandin, L.S. & R.E. Soloveichik (1959) 59-5317  
C.R.Acad.Sci.U.R.S.S., 126:59-62  
 Vlianie gorizontal'nogo peremeshivaniia v napravlenii vetra na isparenie s organichennykh vodoemov (The effect of a horizontal mixing in the direction of the wind upon evaporation from a bounded water reservoir)

Annotation to follow.

FAO: F

Volkov, I.I. (1959) 59-5320  
C.R.Acad.Sci.U.R.S.S., 126:163-6  
 O svobodnom serovodoveze i sernistom zheleze v ilovykh otlozheniiakh Chernogo moria (On the free hydrogen sulphide and sulphide iron in the silt deposits of the Black Sea)

Annotation to follow.

FAO: E

Ozmidov, R.V. (1959) 59-5318  
C.R.Acad.Sci.U.R.S.S., 126:63-5  
 Issledovanie srednemasshtabnogo gorizontal'nogo turbulentnogo odmena v okeane pri pomoshchi radiolokatsionnykh nabliudenii nad plavaiushchimi buiami (Investigation of the medium-scale horizontal turbulent exchange in the ocean by radar observations of floating buoys)

Annotation to follow.

FAO: M

Kovalskii, V.V. & S.V. Letunova (1959) 59-5321  
C.R.Acad.Sci.U.R.S.S., 126:167-70  
 Znachenie il'voi mikroflory v migratsii kobal'ta i prisposoblenie mikroorganizmov k srede v biogeochemicheskikh provintsiiakh s razlichnym soderzhaniiem kobal'ta (On the role of silt microflora in cobalt migration and the adaptation of microorganisms to the medium in biogeochemical provinces with different cobalt content)

Annotation to follow.

FAO: H

Fel'senbaum, A.I. (1959) 59-5319  
C.R.Acad.Sci.U.R.S.S., 126:66-9  
 Srednii miogoletnii dreif l'dov v Tsentral'nom Arkticheskom basseine (Ice field drift averaged over many years in the Central Arctic basin)

Annotation to follow.

FAO: M

Sechkina, T.V. (1959) 59-5322  
C.R.Acad.Sci.U.R.S.S., 126:171-4  
 Diatomovye v dlinnoi kolonke donnykh otlozhenii iz Iaponskogo moria (Diatoms from a long column of bottom deposits of the sea of Japan)

Annotation to follow.

FAO: H

Rusanova, M.N. (1959) 59-5323  
C.R.Acad.Sci.U.R.S.S., 126:210-3  
 O kharaktere biologicheskikh razlichii  
 mezhdu belomorskimi i barentsevo-  
 morskimi Balanus balanoides L.  
 (On the nature of biological  
 differences between the White Sea and  
 the Barents Sea Balanus balanoides L.)

Annotation to follow.

FAO:

M

Khvan, A.P. (1959) 59-5326  
C.R.Acad.Sci.U.R.S.S., 126:303-4  
 Tochnoe reshenie uravneniia polia  
 vetrovykh voln na sil'no melkovodnom  
 more (The exact solution of the  
 wind-wave field equation for a very  
 shallow sea)

Annotation to follow.

FAO:

M

Alekin, O.A. & 59-5324  
 I.P. Moricheva (1959)  
C.R.Acad.Sci.U.R.S.S., 126:295-8  
 Nasyshchennost' karbonatom kal'tsiia  
 vody estuarii. (The saturation of  
 estuary waters with calcium carbonate)

Annotation to follow.

FAO:

MF

Galkina, L.A. (1959) 59-5327  
C.R.Acad.Sci.U.R.S.S., 126:404-5  
 Iablenie degeneratsii polovykh  
 kletok u tikhookeanskoi sel'di  
 (Degeneration phenomena in gametes  
 of the Pacific herring)

Annotation to follow.

FAO:

M

Lazarev, G.E. & 59-5325  
 S.A. Ushakov (1959)  
C.R.Acad.Sci.U.R.S.S., 126:299-302  
 Opyt opredeleniia moshchnosti l'da v  
 Antarktide po gravimetricheskim dannym  
 (Tentative determination of ice  
 thickness in Antarctica from gravimetric  
 data)

Annotation to follow.

FAO:

M

Keiz, G. (1959) 59-5328  
Ost.Fisch., 12:17-22  
 Über die Kiemenfäule der Teichfische  
 (On the gill-blight of pond fish)

Describes the disease & summarizes the  
 combat methods & preventive measures.

FAO:dr

F

Berner, M. (1958) 59-5329

Dtsch.FischZtg., 5:321-8

Periodische Qualitätsänderungen des Ostseedorschés und ihre biologischen Ursachen (Periodical changes of the quality of Baltic Sea cod and its biological reasons)

Describes how to obtain cod production of good market quality by a certain restriction of the main catch season.

FAO:dr

M

Iarrañeta, M.G. P. Suau 59-5332

& J. López (1958)

Invest.pesqu., (12):3-19

Fluctuaciones en la pesquería de sardina de Castellón (Fluctuations in the sardine fishery of Castellon). En

A study of fluctuations of Sardina pilchardus & perspectives of prediction.

FAO:dr

M

Wing, S. (1958) 59-5330

Dtsch.FischZtg., 5:328-31

Der stürmische Entwicklungstempo der fischereilichen Produktion in China (The quick development of the fish production in China)

Contents as per title.

FAO:dr

M

Cervigón, F. (1958) 59-5333

Invest.pesqu., (12):21-47

Contribución al estudio de los sifonóforos de las costas de Castellón (Mediterráneo Occidental) (Contribution to the study of Siphonophores of the coast of Castellon, Western Mediterranean). En

A record of distribution of the Siphonophores during 1955, 1956 & 1957. Chelophyes appendiculata shows a regular distribution & it is abundant mainly in spring & summer. Muggiaea kochi & Lensia subtilis are

Rogge, B. (1958) 59-5331

Dtsch.FischZtg., 5:337-8

Zucht des medizinischen Blutegels (Rearing of leeches)

Description of methods to be used for co-management in pond fish culture.

FAO:dr

F

59-5333  
(Card 2)

abundant in winter. Abylopsis tetragona & Galettia chuni don't present a clear distribution along the different seasons. M. atlantica, Diphyes dispar & Bassia bassensis only appear in 1957.

FAO:tc

M



Larrañeta, M.G., J. Lopez 59-5335  
 & P. Suau (1958)  
Invest.pesqu., (12):49-81  
 Capturas por unidad de esfuerzo en la  
 pesquería de sardina de Castellón  
 (Catches per unit effort in the sardine  
 fishery of Castellon). En

Catches per unit effort from 1950 to  
 1957 are given as well as growth,  
 landings & effort distribution data.  
 A method to measure the density of  
 the populations to be extended to the  
 whole Mediterranean Spanish coast is  
 discussed.

FAO:hr

M

59-5337  
 (Card 2)  
 straight lines. Covariance analysis  
 of the data shows marked differences  
 between the 2 areas in relative  
 growth rates of certain body  
 dimensions.

FAO:jr

M

Herrera, J. (1958) 59-5336  
Invest.pesqu., (12):113-26  
 Datos climáticos del puerto de  
 Castellón y térmicos de las aguas  
 costeras en relación con la pesca en  
 1957 (Climatological data of the  
 port of Castellon and temperatures of  
 the coastal waters in relation with  
 the fisheries in 1957). En

Summary of meteorological & surface  
 water temperature data.

FAO:hr

M

Massuti, M. (1958) 59-5339  
Invest.pesqu., (13):37-48  
Estudio del crecimiento relativo de  
Sagitta enflata Grassi del plancton de  
 Castellón (Relative growth study  
 of Sagitta enflata Grassi of the  
 plankton of Castellon). En

A study of relative growth of trunk,  
 head, tail & ovary referred to total  
 length. Three lineal equations were  
 obtained for the 3 first sections & a  
 parabola to the 2nd order for the  
 ovary.

FAO:hr

M

Rodriguez-Roda, J. (1958) 59-5337  
Invest.pesqu., (13):3-36  
 Estudio comparativo del crecimiento de  
 las sardinas, Sardina pilchardus  
 Walbaum, de Barbate (costa sudatlántica  
 española) y Larache (costa atlántica  
 de Marruecos) (Comparative study of  
 growth of sardines, S. pilchardus  
 Walbaum, of Barbate, South Atlantic  
 coast of Spain, and Larache, Atlantic  
 coast of Morocco). En

Over restricted ranges of sizes at  
 least, the dimensions of body parts  
 relative to others seem to be  
 sufficiently well approximated by

Larrañeta, M.G. (1958) 59-5340  
Invest.pesqu., (13):65-86  
 Sobre el poder de pesca, vulnerabilidad  
 y agregación en la pesquería de  
 sardinas de Castellón (Fishing  
 power, vulnerability and aggregation  
 in the sardine fishery off Castellon).  
 En

A study of some of the basic  
 questions related to estimates of  
 fishing intensity of the ring-net  
 boats.

FAO:hr

M

Vives, F. & M. Lopez-Benito (1958)  
Invest.pesqu., (13):87-125  
 El fitoplancton de la Ría de Vigo y su relación con los factores térmicos y energéticos (The phytoplankton of the "Ria de Vigo" and its relation with thermic and energetic factors).  
 En

59-5341

The phytoplankton succession is studied & the biomass composition related to thermic & energetic agents responsible for the quantitative & qualitative fluctuations of the phytoplankton population, & resultant of local meteorological budget.

FAO:hr

M

Thurrow, F. (1958)  
Arch.FischWiss., 9:79-97  
 Untersuchungen über die spitz- und breithköpfigen Varianten des Flusssaales (Investigation on the pointed & broad head varieties of the eel). En

59-5344

Notes on occurrence of types & their relations to environmental factors.

GLK:dr

MF

Brunner, G., G. Keiz & E. Kolb (1958)  
Arch.FischWiss., 9:53-78  
 Untersuchungen am Karpfen (Cyprinus carpio L.) über die Abhängigkeit des Vitamin A- und Carotinoidgehaltes von Entwicklung, Alter, Ernährung, Gesundheitszustand, Geschlecht und Beschuppungstyp der Fische (Investigations into the dependence of vitamin A & the carotinoid-content on the development, age, feeding, health conditions, sex & type of scaling of carps). En

59-5342

Account of investigations on the distribution & content of vitamin A

Amlacher, E. (1958)  
Arch.FischWiss., 9:97-133  
 Pathologische Histologie und Histochemie der Leber normaler und an infektiöser Bauchwassersucht erkrankter Karpfen (K<sub>2</sub>) (Pathological histology and histochemistry of the liver of healthy & infected (ascites) carps). En

59-5345

Account of histological & microchemical investigations on the symptoms of infections ascites in the liver of 2 year old carps.

GLK:dr

F

& of carotinoids in different parts of the body; their variation due to growth, feeding, & disease infections.

59-5342  
 (Card 2)

GLK:dr

Wittfogel, H., W. Schnelle & I. Adam (1958)  
Arch.FischWiss., 9:135-42  
 Über den Fettgehaltszyklus und Ernährungskoeffizienten von Heringen deutscher Dampferanlandungen in den Fangjahren 1957-58 (On the cycle of the fat content & nutritive coefficient of German trawl herring during the catch seasons of 1957-58). En

59-5346

Report on length, weight, sex, stages of maturity, water & fat content, protein-ash content, & nutritive coefficient analysis of a sample of 150 herrings from different fishing grounds of the North Sea.

GLK dr

M

Wilson, R.C., E.L. Nakamura 59-5347  
& H.O. Yoshida (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (20)  
105 p.

Marquesas area fishery and  
environmental data, October 1957 - June  
1958

Presents the biological, environmental  
& meteorological data from 4  
consecutive cruises, October 1957 to  
June 1958, in the part of the south-  
eastern Pacific ocean that is centred  
in the Marquesas islands. Primary  
mission of these cruises was to define  
the season of greatest availability of

Masuda, S. 59-5350

F. Shinohara (1959)  
Bull.Seika reg.Fish.Res.Lab., (17):15-28  
(Studies on the discoloration of oily  
fishes - II. On the method of measuring  
the discoloration of oily fishes  
through examination of differences in  
the degree of whiteness of the powder).  
Ni En

FiB:x

59-5347  
(Card 2)  
surface tuna schools in the Marquesas  
area.

GLK:glk

II

Yamada, K., T. Suzuki 59-5351  
& M. Tanaka (1959)  
Bull.Seikai reg.Fish.Res.Lab., (17):  
29-51  
(Biochemical studies on the role of  
malonate decomposing enzyme in fish  
muscular tissue). Ni En

FiB:x

Yamada, K. & 59-5349  
M. Tanaka (1959)  
Bull.Seikai reg.Fish.Res.Lab., (17):1-13  
(Studies on the black discoloration  
of fish and shellfish cans). Ni En

FiB:x

Sasayama, S., S. Hamada 59-5352  
& K. Yamada (1959)  
Bull.Seikai reg.Fish.Res.Lab., (17):  
53-79  
(Studies on the preservation of bottom  
fish - Effectiveness of chlortetra-  
cycline on keeping quality).  
Ni En

FiB:x



Sasayama, S. & 59-5353  
 S. Hamada (1959)  
Bull.Seikai reg.Fish.Res.Lab., (17):  
 81-119  
 (A study on the preservation of fish-  
 cake). Ni En

FiB:x

Swarup, H.S. (1957) 59-5356  
Thesis, Univ. of Oxford, U.K.  
 The production and effects of  
 polyploidy in Gasterosteus aculeatus

MF

Acton, A.B. (1957) 59-5354  
Thesis, Univ. of Oxford, U.K.,  
 A study of polymorphism in the  
 Chironomidae

F

Tirmizi, N.M. (1958) 59-5357  
Thesis, Univ. of Oxford, U.K.  
 Taxonomy of some marine crustacea of  
 Pakistan

M

Hall, M.F. (1957) 59-5355  
Thesis, Univ. of Oxford, U.K.,  
 A comparative study of the reproductive  
 behaviour of the sticklebacks  
 (Gasterosteidae)

MF

Tubb, J.A. (1958) 59-5358  
Occ.Pap.Indo-Pacif.Fish.Coun., (58/4).  
 5 p.  
 Report on the 9th Pacific Science  
 Congress, Division of Oceanography &  
 Fisheries

Reports re-organization - Division of  
 Fisheries & of Oceanography became  
 Division of Marine Sciences & of  
 Freshwater Sciences, each incl.  
 disciplines of oceanography, fisheries  
 & biology. Recommendations made concern  
 zooplankton, C<sub>14</sub>, chlorophyll studies,  
 UNESCO activities.

FiB:sjh

MF

Wennekens, M.P. (1959) 59-5359  
Bull.Mar.Sci.Gulf Caribb., 9(1):1-52  
 Water mass properties of the straits  
 of Florida and related waters

Attempt to synthesize old & new studies  
 of the relationships between salinity,  
 temperature, dissolved oxygen, &  
 inorganic phosphate in the straits of  
 Florida & related waters.

FAO:mpw

M

Guest, W.C. (1959) 59-5362  
Bull.Mar.Sci.Gulf Caribb., 9(1):79-83  
 The occurrence of the jellyfish  
Chiropsalmus quadrumanus in Matagorda  
 bay, Texas

Account of its distribution generally  
 in this bay, the salinity & other  
 conditions in association with which  
 it was found, & its gonadial  
 condition.

FAO:glk

M

Sogandares-Bernal, F. & 59-5360  
 R.F. Hutton (1959)  
Bull.Mar.Sci.Gulf Caribb., 9(1):53-68  
 Studies on helminth parasites of the  
 coast of Florida - I. Digenetic  
 trematodes of marine fishes from Tampa  
 and Boca Ciega bays with descriptions  
 of two new species. 1.

Systematics.

FAO:glk

M

Voss, N.A. (1959) 59-5363  
Bull.Mar.Sci.Gulf Caribb., 9(1):84-99  
 Studies on the pulmonate gastropod  
Siphonaria pectinata (Linnaeus) from  
 the southeast coast of Florida

The feeding, habitat, spawning,  
 larval development, environmental  
 & geographical variation, geographical  
 distribution & growth of the sp.  
 are discussed. The veliger, egg  
 masses & newly settled young are ill.

FAO:nav

M

Lewis, A.G. (1959) 59-5361  
Bull.Mar.Sci.Gulf Caribb., 9(1):69-78  
 The vertical distribution of some  
 inshore copepods in relation to  
 experimentally produced conditions of  
 light and temperature

An experimental tower was used to test  
 the effects of different gradients of  
 light & temperature on the vertical  
 distribution of 3 spp. of planktonic,  
 inshore copepods.

FAO:agl

M

Klawe, H.L. & 59-5364  
 B.M. Shimada (1959)  
Bull.Mar.Sci.Gulf Caribb., 9(1):100-15  
 Young scombroid fishes from the  
 Gulf of Mexico

Separation & identification of young  
 forms of yellowfin tuna, Thunnus  
argenteivittatus, blackfin tuna T.  
atlanticus, oceanic skipjack,  
Katsuwonus pelamis, little tunny,  
Euthynnus alletteratus, frigate  
 mackerel, Auxis thazard, & bonito  
Sarda sarda, as well as a few small  
 specimens of Thunnus of indeterminate  
 sp.

FAO:wllk

M

Krause, H.R. (1959) 59-5365  
Arch.Hydrobiol., Suppl. 24: 297-337  
 Biochemische Untersuchungen über den  
 postmortalen Abbau von totem Plankton  
 unter aeroben und anaeroben Bedingungen  
 (Bio-chemical investigation on the  
 post-mortem decomposition of dead  
 plankton under aerobic and anaerobic  
 conditions). En

Account of investigations on variation  
 of chemical composition during  
 decomposition. Describes methods of  
 investigation, reports results obtained  
 on the loss of substance, nitrogen &  
 raw protein content, carbon & ash

Schwoerbel, J. (1959) 59-5368  
Arch.Hydrobiol., Suppl. 24: 385-546  
 Ökologische und tiergeographische  
 Untersuchungen über die Milben (Acari,  
 Hydrachnellae) der Quellen und Bäche  
 des südlichen Schwarzwaldes und seiner  
 Randgebiete (Ecological and zoo-  
 geographical investigations on the  
 mites, Acari, Hydrachnellae, in  
 springs & brooks of the southern Black  
 Forest and in its surroundings, with  
 reference to the river Baar, the  
 upper Danube and the southern Vosges).  
 En Fr

Detailed account of ecological &

59-5365  
 (Card 2)  
 contents, scale of amino-acids &  
 fat content.

FAO:dr

F

59-5368  
 (Card 2)  
 zoogeographical investigations on the  
 water mites in sources & brooks of  
 geologically different regions.  
 Geographical, geological & climato-  
 logical conditions of the regions  
 are discussed.

FAO dr

F

Wülker, W. (1959) 59-5367  
Arch.Hydrobiol., Suppl. 24: 338-60  
 Diamesarien-Studien (Dipt., Chirono-  
 midae) im Hochschwarzwald  
 (Investigation on the Diamesa spp. of the  
 Black Forest). En

Describes systematics, morphology  
 & geographical distribution of 15 spp.  
 of genus Diamesa.

FAO:dr

F

Elster, H.-J. (1959) 59-5370  
Arch.Hydrobiol., Suppl. 24: 361-84  
 Beiträge zur Limnochemie der  
 Hochschwarzwaldseen III  
 (Contributions to the limno-chemistry  
 of the Black Forest lakes - III).  
 En

Contents as per title.

FAO:dr

F



Kühl, H. (1957) 59-5371  
Arch.FischWiss., 8:181-97  
 Die deutsche Fischerei auf Industrie-  
 fish in der Nordsee im Jahre 1957  
 (The German industrial fish production  
 in the North Sea in 1957). En

Gives statistics of sandeel, herring,  
 whiting, haddock, dab, horse-mackerel  
 processed for fish-meal & oil. Incl.  
 notes on the share of undersized fish  
 in the production.

GLK:dr

M

Demel, K. & 59-5374  
 S. Rutkiewicz (1958)  
Gdynia, 310 p.  
 Morze Barentsa (The Barents Sea)

Summary account of the oceanography,  
 marine biology & fisheries of the  
 Barents Sea.

PiB:tl

M

Lühmann, M. (1957) 59-5372  
Arch.FischWiss., 8:198-203  
 Über jahreszeitliche Veränderungen des  
 Fettgehaltes und des Gehaltes an  
 Trockensubstanz und Asche bei  
 Sandspierlingen (Ammodytes spec.)  
 (The cyclic changes of the content of  
 fat, solid and ashes of the flesh of  
 launce, sandeel, during an annual  
 period). En

Results of analyses of chemical  
 composition of sandeels.

GLK:dr

M

Kozarov, G. (1958) 59-5375  
Izdaniya, Skopje, 11(6):103-25  
 Fitoplankton na Dojranskogo ezero  
 (Phytoplankton of lake Dojran). Fr

A qualitative & quantitative study.

FAO:hr

F

Nümann, W. (1957) 59-5373  
Arch.FischWiss., 8:210-2  
 Kälteschocks als natürliche Ursachen  
 periodisch auftretender Fischsterben im  
 Bosphorus (Cold shock as a natural  
 reason for fish mortalities which  
 appear periodically in the Bosphorus).  
 En

Reviews deadly effect of special  
 weather conditions in the Bosphorus on  
 fishes.

GLK:dr

M

Popovska-Stanković, O. (1958) 59-5376  
Izdaniya, Skopje, 11(7):127-44  
 Prilog kon poznavanje kladocersite od  
 Dojranskogo ezero (Contribution  
 to the knowledge of Cladoceras of lake  
 Dojran). Fr

A record of spp. of the families  
 Sididae, Daphnidae, Macrothricidae &  
 Chydoridae, their distribution in  
 the lake & life cycles.

FAO:hr

F

Germany. Bundesministerium für 59-5377  
Ernährung, Landwirtschaft &  
Forsten (1959)

Hamburg, 53 p.

Informationen über die Fischwirtschaft  
des Auslandes no. 3 (Information on  
fisheries in foreign countries)

Monthly compilation of press releases,  
& extracts & digests from periodicals  
of information relating to all aspects  
of fisheries of all countries.

GLK:glk

MF

Misu, H. (1959) 59-5380  
Bull.Seikai reg.Fish.Res.Lab., (16):  
21-33

(Studies on the fisheries biology of  
the ribbon fish (Trichiurus lepturus  
Linné) in the East China and the  
Yellow Seas - 2. On the maturity and  
the spawning). Ni En

Gonaf index, fecundity, egg sizes,  
spawning times & areas determined  
from 1765 fish sampled February, 1954  
to January, 1958.

FiB:sjh

M

Western Australia 59-5378  
Fisheries Department (1958)  
Monthly Service Bulletin, 7(6) 59-68

Notes on staff & their activities;  
issuance of fishing licenses,  
regulations & legal actions; seasons &  
results of crayfishery, information  
from abroad.

GLK:sjh

M

Mako, H. (1959) 59-5381  
Bull.Seikai reg.Fish.Res.Lab., (16):  
35-62

(Analytical study of demersal fish by  
commercial size composition (I).  
Estimation of age composition from  
commercial size composition).  
Ni En

Growth curves & size compositions for  
Saurida tumbil, Argyrosomus argentatus  
& Pseudosciaena manchurica from East  
China & Yellow Seas.

FiB:sjh

M

Aoyama, T. & 59-5379  
T. Kitajima (1959)  
Bull.Seikai reg.Fish.Res.Lab., (16):1-20  
(The selective action of trawl nets -  
II. Mesh experiments with 50 ft covered  
trawl net). Ni En

Covered 60 mm cod-end experiments in  
March & June 1957, gave selection  
curves; 50% selection length in  
relation to fish girth & size of catch;  
for 51 fish spp., resistance of net;  
relation of results to satisfactory mesh  
size for use in East China & Yellow Seas.

FiB:sjh

M

Saksena, J.N. (1958) 59-5382  
Proc.nat.Acad.Sci.India, 28B:227-30  
New species of the genus Allocreadium  
Looss, 1900, of the family Allocrea-  
diidae Stossich, 1904, trematoda from  
the intestine of Mastacembalus armatus

F

Tiwari, I.P. (1958) 59-5383  
Proc.nat.Acad.Sci.India, 28B:246-52  
 Studies on three new species of the  
 genus Astiotrema (Trematoda Plagior-  
 chiidae) from fresh water tortoises

F

Saxena, D.B. (1958) 59-5386  
Proc.nat.Acad.Sci.India, 28B:264-83  
 Circulation of blood in the  
 respiratory region of some freshwater  
 catfishes of Uttar Pradesh, India

F

Bahadur, K. & 59-5384  
 S. Rajam (1958)  
Proc.nat.Acad.Sci.India, 27A:87-90  
 Study of the relationship between the  
 size of the kidney and the size of the  
 fish

MF

Saxena, D.B. (1958) 59-5387  
Proc.nat.Acad.Sci.India, 28B:284-92  
 Circulation of blood in the  
 respiratory region of Anabas  
testudineus, (Bloch)

F

Saxena, D.B. (1958) 59-5385  
Proc.nat.Acad.Sci.India, 28B:258-63  
 Extent of the gill-surface in the  
 teleosts Heteropneustes fossilis Bloch  
 and Clarias batrachus Linn.

F

Saha, K.C., D.P. Sen 59-5388  
 & G.N. Muhury (1958)  
Sci. & Cult., 23:556  
 Destruction of water-hyacinth  
 (Bichhornia crassipes Solms) by 2:4-D

F



ECARE (1958) 59-5389  
Flood Control Journal, June 1958; 57 p.

Report containing following sections:  
Improvements on observation, collection  
& record of hydrologic data; New stream  
gauging stations established; Other  
hydrologic stations; NEC-ICA programme  
(foreign assistance); & Ground water  
investigation.

FiB:sjh

F

Altmann, G. (1959) 59-5392  
Experientia, 15:192  
Atmungsphysiologische Untersuchungen  
an Mytilus edulis galloprovincialis  
(Researches on the respiratory  
physiology of Mytilus edulis gallo-  
provincialis). Fr

Examination of the role played in  
respiratory regulation by visceral  
ganglia, tested by ablation of these  
ganglia.

FAO:glk

MF

Neumann, D. (1959) 59-5390  
Experientia, 15:178-9  
Farbmusterumschlag auf der Mollusken-  
schale (Coloured shell patterns).  
En

The variability of the shell pattern of  
Theodoxus (Werrapopulation) is reduced  
to 3 significant types, which are based  
on different processes of pigment  
formation of the mantle-edge. A change  
between the 'synchrone Querstreifen'-  
pattern & the 'phasenlängenkonstanten  
Längsstreifen'-pattern is described.

FAO:dn

M

Fry, F.E.J. (1958) 59-5393  
Annu.Rev.Physiol., 20:207-24  
Temperature compensation

A review of literature on this  
phenomenon throughout the animal  
kingdom with frequent reference to  
aquatic forms. Bibliography of  
205 references.

GLK:sjh

MF

Altmann, G. (1959) 59-5391  
Experientia, 15:191-2  
Hormonale Beeinflussung des Stoffwechsels  
bei Carcinus maenas (Hormonic  
influence of metabolism in Carcinus  
maenas). En

Examination of the influence of oxygen  
need of this sp. by injection of ocular  
peduncular extracts, & by ablation of  
ocular peduncle.

FAO:glk

M

Taylor, C.C. (1958) 59-5394  
Fish.Gaz., N.Y., Jan.-Feb., 6 p.  
An appraisal of the New England  
fisheries

A popular review dealing with history  
& prospects of the haddock, redfish  
& whiting fisheries; overfishing,  
regulation, & natural fluctuations.

SJH:sjh

M

Medcof, J.C. (1958) 59-5395 <u>Circ.Atlant.biol.Sta.</u> , (32):3 p. Useful publications for oyster farmers of the Maritimes  Serial sources of information; lists selected titles in General Series Circulars; Progress Reports (Atlantic), oyster farming circulars & bulletins, all published by Fisheries Research Board of Canada.	Abe, T. (1957) 59-5398 <u>Jap.J.Ichthyol.</u> , 6(3):71-4 New, rare or uncommon fishes from Japanese waters - VI. Notes on the rare fishes of the family Histiopte- ridae  Continuation of 59-5397.
---	--

FiB:sjh

M

CLK:

M

Hotta, H., T. Abe 59-5396  
 & Y. Takashima (1958)  
Bull.Tohoku reg.Fish.Res.Lab., (12)  
 101-5  
 (Notes on the head bones of the  
 Japanese mackerels of the genus  
Pneumatophorus). Ni En

Shapes of sphenotic & of auxiliary  
 crest are described & ill.;  
 are used to distinguish var. japonicus  
 & var. tapeinocephalus of P. japonicus.

CLK:sjh

M

Morgans, J.F.C. (1958) 59-5399  
Ann.Mag.nat.Hist., Ser. 13, 1:642-56  
 Three confusing species of serranid  
 fish, one described as new, from East  
 Africa

Ill. taxonomic descriptions, with key,  
 distribution & ecological notes for  
Einephelus fuscoguttatus, E. dispar  
partim & E. tukula.

SJH:sjh

M

Abe, T. (1957) 59-5397  
Jap.J.Ichthyol., 6(1-2):35-9  
 New, rare or uncommon fishes from  
 Japanese waters - VI. Notes on the rare  
 fishes of the family Histiopteridae

Ill. description of specimens of adult  
Pseudopentoceros richardsoni & young  
Quinquarius japonicus from Japanese  
 waters.

CLK:sjh

M

Anonymous (1959) 59-5400  
Dansk FiskTid., 77:49  
 "Fishing effort"-statistikens betydning  
 ved internationale forhandlinger  
 (The importance of "fishing effort"  
 statistics in international  
 discussions)

Review of FAO meeting on costs &  
 earnings of fishery enterprises.

FAO:tl

MF

Anonymous (1959) 59-5401  
Dansk FiskTid., 77:67-8  
 Udkast til ny og udvidet Nordsø-  
 konvention underskrevet efter konference  
 i London (Proposal for a new and  
 expanded North Sea convention has been  
 signed after the conference in London)

Review of the new North-East Atlantic  
 Fisheries Convention.

FAO:t1

M

St.(rand), E.W. (1959) 59-5404  
Dansk FiskTid., 77:127  
 Stort program for norsk fiskeri- og  
 havforskning i indevaerende år  
 (Big programme for Norwegian  
 fisheries and marine research in this  
 year)

Notes on the programme which will  
 engage 9 ships.

FAO:t1

M

Bertelsen, E. (1959) 59-5402  
Dansk FiskTid., 77:69-74  
 Fiskeriundersøgelserne det sidste år i  
 vore indre farvande (Fisheries  
 investigations during the last year  
 in our coastal waters)

Review of Danish fisheries  
 investigations in 1958 with notes on  
 preliminary results.

FAO:t1

MF

Cassie, R.M. (1957) 59-5405  
Proc.N.Z.ecol.Soc., (5):4-5  
 Shallow-water diving in marine  
 ecology

Note presented to 6th annual meeting  
 of society on equipment for diving  
 & photography, its use for study of  
 animal behaviour, quantitative  
 sampling, hydrography, study of  
 submerged equipment.

FAO:sjh

M

Anonymous (1959) 59-5403  
Dansk FiskTid., 77:91-2  
 De store forsøg med mærkning af sild  
 og hvillinger i Nordsøen (The big  
 investigation with tagging of herring  
 and whiting in the North Sea)

Review of international tagging of  
 plaice, whiting, herring & sand eel in  
 the North Sea 1958 & notes on  
 preliminary results.

FAO:t1

M

Hurley, D.E. (1957) 59-5406  
Proc.N.Z.ecol.Soc., (5):12  
 Ecology of the sea-floor off Southern  
 California

Abstr. of paper presented to the 6th  
 annual meeting of Society.

FAO:sjh

M



East Africa High Commission (1959) 59-5407  
Nairobi, 19 p.  
East African Marine Fisheries Research  
Organization annual report 1958

Notes staff & publications & gives  
general account of work of the  
organization during 1958. Account of  
work of MANIHINE; review of scientific  
investigations: specific composition  
of catches; tuna long-line studies;  
survey of fishing grounds of N. Kenya  
continental shelf. Incl. articles by  
J.F.C. Morgans & F. Williams, 59-5408  
59-5409.

FiB:sjh

F

Williams, F. (1958) 59-5410  
Ann. Mag. nat. Hist., 1B(6):369-430  
Fishes of the family Carangidae in  
British East African waters

M

Morgans, J.F.C. (1959) 59-5408  
Rep. E. Afr. High Comm., 1958:16-7, 20  
The fishery banks off Lamu

Gives chart of the N. Kenya continental  
shelf; draws attention to 59-5064.  
Comments on exploratory fishing  
results & prospects for commercial  
operations.

FiB:sjh

M

Strasburg, D.W. & 59-5411  
H.S.H. Yuen (1958)  
Symp. Pap. 8th Sess. IPFC/C58/Sym. 2, 6 p.  
Preliminary results of underwater  
observations of tuna schools and  
practical applications of these  
results

Description of the fishing methods  
of skipjack, Katsuwonus pelamis, &  
summary of observations of the  
behaviour of skipjack, applicable to  
the improvement of fishing methods  
with special emphasis on feeding  
habits of skipjack schools.

SJH:tl

M

Williams, F. (1959) 59-5409  
Rep. E. Afr. High Comm., 1958:18-9  
A note on the use of trammel nets in  
East African waters

Catch results of experimental nets off  
Zanzibar & Pemba: sp. composition;  
comment on commercial possibilities.

FiB:sjh

M

Glover, R.S. (1958) 59-5412  
Symp. Pap. 8th Sess. IPFC/C58/Sym. 3, 8 p.  
Fish behaviour and the planktonic  
environment: the role of field  
observations

Notes on the use of continuous  
plankton recorder; interpretations;  
its results & their applications to  
fisheries problems. Review of some  
recent findings on relations between  
the abundance of plankton & fish.

SJH:tl

M

Daget, J. (1958) 59-5413  
Symp.Pap.8th Sess.IPFC/C58/Sym.4, 5 p.  
Les migrations de poissons dans les  
eaux douces tropicales africaines  
(The migrations of fish in tropical  
African fresh waters)

Review of the migrations of tropical  
fishes in streams in relation to  
season & food & outline of a programme  
for further study of these  
migrations.

SJH:tl

F

Blaxter, J.H.S., F.G.T. 59-5416  
Holliday & B.B. Parrish (1958)  
Symp.Pap.8th Sess.IPFC/C58/Sym.7, 5 p.  
Some preliminary observations on the  
avoidance of obstacles by herring  
(Clupea harengus L.)

Results of observations on herring  
behaviour in aquarium in respect of  
barriers with different net material  
& mesh sizes in light & darkness.

SJH:tl

M

Anonymous (1958) 59-5414  
Symp.Pap.8th Sess.IPFC/C58/Sym.5, 3 p.  
Analysis of behaviour in commensalism

Review of the experiments of Prof.  
Davenport which show what certain  
animals are caused to do by factors  
of specific action, released by other  
host organisms with which they live  
in associations.

SJH:tl

MF

Parrish, B.B., J.H.S. 59-5417  
Blaxter & F.G.T. Holliday (1958)  
Symp.Pap.8th Sess.IPFC/C58/Sym.8, 4 p.  
Some notes on establishment and  
maintenance of Atlantic herring  
(Clupea harengus L.) in aquaria

Description of the methods of rearing  
herring in aquarium - capture &  
transport of herring into aquarium;  
optimum size of aquarium & depth of  
water, feeding & causes of mortality.

SJH:tl

M

Beauchamp, R.S.A. (1958) 59-5415  
Symp.Pap.8th Sess.IPFC/C58/Sym.6, 3 p.  
The commercial value of studies on  
fish behaviour with particular reference  
to lake Victoria

Review of the observations of behaviour  
of Tilapia esculenta, T. zillii &  
Clarias mossambicus in lake Victoria &  
possibilities of application of this  
knowledge to fishery & fisheries  
management.

SJH:tl

F

Zusser, S.G. (1958) 59-5418  
Symp.Pap.8th Sess.IPFC/C58/Sym.9, 5p.  
A contribution to the study of fish  
behaviour

Review of Russian works on fish  
behaviour with emphasis on:  
concentration of fish in eddies of  
the currents, reactions to external  
stimuli, conditioned reflectory  
activity & study of tropism.

SJH:tl

MF

Keenleyside, M.H.A. (1958) 59-5419  
Symp.Pap.8th Sess.IPFC/C58/Sym. 10, 3 p.  
Research on the behaviour of Atlantic  
salmon at the Biological Station, St.  
Andrews, N.B.

Plan for the research on salmon  
behaviour, with indications of  
objectives & methods of study.

SJH:tl

MF

Kesteven, G.L. (1958) 59-5422  
Symp.Pap.8th Sess.IPFC/C58/Sym. 14, 3 p.  
Notes on: the basis, control and  
integration of behaviour

Review of the basis to behaviour;  
the influence of physiological states,  
instincts & learning on the pattern  
of behaviour & notes on nervous &  
humoral control.

SJH:tl

G

Kesteven, G.L. (1958) 59-5420  
Symp.Pap.8th Sess.IPFC/C58/Sym. 12, 5 p.  
Notes on: the elementary actions

Definition of types of action;  
classification of motion of fish by  
cause & by fixed motor pattern.

SJH:tl

MF

Fry, F.E.J. (1958) 59-5423  
Symp.Pap.8th Sess.IPFC/C58/Sym. 15, 12p.  
The experimental study of behaviour  
in fish

Review of present knowledge &  
methods used in physiological studies  
of behaviour & behavioral studies  
at the ecological level.

SJH:tl

MF

Jones, F.R.H. (1958) 59-5421  
Symp.Pap.8th Sess.IPFC/C58/Sym. 13, 20 p.  
Reactions of fish to stimuli

Review of literature of the reactions  
of fish to mechanical, temperature,  
light, olfactory, gustatory, chemical  
& electrical stimuli.

SJH:tl

MF

Kesteven, G.L. (1958) 59-5424  
Symp.Pap.8th Sess.IPFC/C58/Sym. 19, 4p.  
Notes on: the patterns of behaviour

Classification of patterns of  
behaviour & of central nervous  
functions of fish.

SJH:tl

MF



Soemarto, (1958) 59-5425  
Symp.Pap.8th Sess.IPFC/C58/Sym. 21, 12 p.  
Fish behaviour with special reference  
to pelagic shoaling species: lajang  
(Decapterus spp.)

Distribution of the spp., their  
seasonal migrations & occurrence along  
different coasts & notes on the  
behaviour of lajangs near the lures &  
their reactions to the light.

SJH:tl

Kesteven, G.L. (Comp.)(1958) 59-5428  
Symp.Pap.8th Sess.IPFC/C58/Sym. 20, 4 p.  
Some terms used in behaviour  
research

List. of terms with definitions.

SJH:tl

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Soerjodinoto, R. (1958) 59-5426  
Symp.Pap.8th Sess.IPFC/C58/Sym. 22, 4 p.  
On the behaviour of lemuru, Sardinella  
allecia (Raf.) at Bali strait

Notes on the fishing methods of lemuru  
& observations on the behaviour of  
schools with respect to light, objects  
& sound.

SJH:tl

M

Ommaney, F.D. (1958) 59-5429  
Symp.Pap.8th Sess.IPFC/C58/Sym. 24, 1 p.  
Fish behaviour with particular  
reference to pelagic shoaling species

Short summary report with one basic  
conclusion about the need for field  
observations.

SJH:tl

MF

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Symp.Pap.8th Sess.IPFC/C58/Sym. 23, 2 p.  
Some knowledge on behaviour of fish  
schools

Description of diurnal phototactic  
vertical migrations of sardine,  
Sardinops melanosticta, in Japanese  
waters, & notes on the behaviour of  
sardine in respect of nets.

SJH:tl

M

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Ottawa, 25 p.  
Agriculture, fisheries, forestry and  
nutrition in Canada 1955-1957 -  
Progress and program report to the  
Food & Agriculture Organization of  
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Incl. chapter on fisheries, under  
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Assistance Programs; Inspection &  
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FiB:sjh

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residual chloride compounds in water  
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Isolation and some characteristics of  
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phanes senta (O.F. Müller) ) alive  
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The larva of Tipula montium Egg. and  
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The larva of Tipula fascipennis Mg. and  
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F

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F

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F

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F

Bainbridge, R. & 59-5520  
R.H.J. Brown (1958)  
J. exp. Biol., 35:134-7  
An apparatus for the study of  
the locomotion of fish

MF

Hartley, W.G. (1958) 59-5521  
J. Queckett micr. Cl., 5(4):95-8  
The microscopical study of salmon  
scales

MF

Whitehead, P.J. (1958) 59-5524  
Ann. Mag. nat. Hist., 1(13):197-208  
A new species of Chiloglanis (Pisces,  
Mochocidae) in Kenya

F

Hartley, W.G. (1958) 59-5522  
J. R. micr. Soc., 76:152-67  
A projector for the measurement of  
fish-scales

MF

Hale, P.A. (1958) 59-5525  
Irish Nat. J., 12:259-60  
Roach, Rutilus rutilus L., occurring  
in Co. Tyrone

F

Greenwood, P.H. (1958) 59-5523  
Ann. Mag. nat. Hist., 1(13):321-5  
A new genus and species of cat-fish  
(Pisces, Clariidae) from the deeper  
waters of lake Victoria

F

Burnstock, G. (1958) 59-5526  
J. Physiol., 141:35-45  
Reversible inactivation of nervous  
activity in a fish gut

MF

Burnstock, G. (1958) 59-5527  
Brit.J.Pharmacol., 13:216-26  
The effect of drugs on spontaneous  
motility and on response to  
stimulation of the extrinsic nerves  
of the gut of a teleostean fish

MF

Hughes, G.M. & 59-5530  
G. Skelton (1958)  
J.exp.Biol., 35:807-23  
The mechanism of gill ventilation in  
three freshwater teleosts

F

U.K. Department of Scientific 59-5528  
& Industrial Research (1958)  
Notes on Water Pollution, (2) 1-4  
Waste waters and fish

F

Morris, R. (1958) 59-5531  
J.exp.Biol., 35:649-65  
The mechanism of marine osmoregulation  
in the lampern (Lampetra fluviatilis  
L.) and the causes of its breakdown  
during the spawning migration

F

Fortune, P.Y. (1958) 59-5529  
J.exp.Biol., 35:824-31  
The effect of temperature changes on  
the thyroid-pituitary relationship in  
teleosts

MF

Sundnes, G., T. Enns 59-5532  
& P.F. Scholander (1958)  
J.exp.Biol., 35:671-6  
Gas secretion in fishes lacking rete  
mirabile

MF



Gamblin, D.G. (1958) 59-5533  
J.Instn Wat.Engrs, 12:199-202  
The inception of a trout fishery

F

U.K. Department of 59-5536  
Scientific & Industrial  
Research (1958)  
Notes on Water Pollution, (1):1-3  
Effect of organic discharges on the  
level of oxygen in a stream

F

Pyefinch, K.A. (1958) 59-5534  
Yearb.Riv.Bds Ass., 1958:48-51  
The effect of mineral fertilisers on  
trout lochs

F

Gulf and Caribbean 59-5537  
Fisheries Institute (1958)  
Miami Beach, Florida, 5 p.  
Resume of the Panama situation

Resume of material on biology &  
fishery - methods, history,  
economics - for Penaeus spp.,  
presented to 10th annual meeting of  
Gulf & Caribbean Fisheries Institute,  
Nov., 1958.

FiB:sjh

M

Le Gros, A.E. (1958) 59-5535  
Country-Side, n.s. 18(8):10 p.  
How to begin the study of Tardigrades

M

Foyle Fisheries 59-5538  
Commission (1958)  
Dublin, 34 p.  
Sixth annual report

Report for the year ending 30th  
September, 1957 on administration  
& finance, conservancy - fishing  
intensity, engineering works,  
research on Salmo salar, enforcement  
of regulations, stocking - &  
management, incl. catch & effort  
statistics. Appendices give trading  
accounts, regulations made during  
the year.

GLK:sjh

MF

UNESCO (1958) 59-5539  
Paris, 9 p.  
Report of the third session of the  
International Advisory Committee on  
Marine Sciences

Introduction, review of past  
activities, international collaboration  
in oceanography, plans for work in  
Indo-Pacific area. Discussion of other  
projects. Text of recommendations,  
list of participants, report of a  
special consultants' meeting on  
UNESCO's role in promoting oceanic  
exploration.

SJH:sjh

M

Belgium. Ministerie van 59-5542  
Verkeerswezen (1959)  
75 p.  
Officiële lijst der Belgische  
Vissersvaartuigen (Official list  
of Belgian fishing vessels)

Contents as per title.

FAO:glk

U.S. Department of the 59-5540  
Interior (1959)  
U.S.Gov.Printing Off., 281-317  
Annual report of the Secretary of the  
Interior for the fiscal year ended  
June 30, 1958

Incl. brief notes on fish & wildlife  
research & management, especially in  
connection with reservoirs, & water  
use problems.

SJH:sjh

F

Paraense, W.L. (1959) 59-5543  
Amer.Nat., 93:93-101  
One-sided reproductive isolation  
between geographically remote  
populations of a planorbid snail

Gives the results of crossing  
experiments between remote populations  
of Taphius glabratus using albinism  
as a genetic marker. Each sample  
consisted of a recessive albino from  
Brazil & a homozygous pigmented  
specimen from Brazil or Venezuela.

FAO:hr

F

IHB (1959) 59-5541  
Monte-Carlo, 140-59  
International hydrographic bulletin  
no. 5. En Fr

Contains notes on the activities of  
the Bureau & information on charts,  
sailing directions, lights, tides  
currents, work carried out &  
projected & new charts & new editions  
of charts.

FAO:glk

M

Anonymous (1959) 59-5544  
S.Afr.Shipp.News Fish.Ind.Res., 14(2):  
51  
West coast fishing boats make good  
catches in False bay area

Note on vessels employed in 1959  
pilchard-maasbanker fishery on Cape  
West coast.

FAO:sjh

M

Anonymous (1959) 59-5545  
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

51

SCHIPA moves to Durban

Transfer of 108 ft research vessel  
SCHIPA from Cape Town to Durban for  
deep sea fishing expeditions.

FAO:sjh

Anonymous (1959) 59-5548  
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

53

Harbours for fishing craft on new  
Rhodesian lake

Note on development projects for  
lake Kariba.

FAO:sjh

F

Anonymous (1959) 59-5546  
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

52-3

S.W.A. administration orders £40,000  
vessel for rock lobster research

A note on the design of a 74 foot  
diesel vessel, the ANGRA PEQUENA & the  
research programme with which it will  
be concerned off South West Africa.

FAO:sjh

M

Anonymous (1959) 59-5549  
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

55, 57

Synthetic fibre nets help Amazon  
fishermen increase their catch

Short article based on account by  
A.W. Meschkat (FAO) of fishery  
problems of the area.

FAO:sjh

F

Anonymous (1959) 59-5547  
S.Afr.Shipp.News Fish.Ind.Res., 14(2):53  
Tilapia stock for Kariba lake

Note on first fingerling stocking of  
this N. Rhodesian lake.

FAO:sjh

F

Anonymous (1959) 59-5550  
S.Afr.Shipp.News Fish.Ind.Res., 14(2)

57

Two nations may withdraw from  
whaling convention

Note on notices of withdrawal of  
Norway & Netherlands from IWC.

FAO:sjh

M



Anonymous (1959) 59-5551  
G.Pesca, 9(10):5  
 Esperimenti di riproduzione artificiale  
 con uova di persico-trota a Mantova  
 (Experiments in artificial breeding with  
 black bass spawn at Mantova)

Report of observations on the  
 behaviour of the black bass in  
 relation to their nests.

GLK:glk

F

Milo di Villagrazia, P. (1959) 59-5554  
Boll.Pesca, 35(1):7-9  
 Saggi chimici-analitici sulle acque  
 dolci, salmastre e marine ai fini  
 della pesca (Chemical analytical  
 sampling of fresh, brackish and salt  
 water for fishing purposes)

Techniques of water sampling &  
 chemical analysis.

GLK:glk

MF

M.B. (1959) 59-5552  
G.Pesca, 9(10):6  
 Mare Ligure mare povero (Ligurian  
 waters -- poor waters)

Brief note of results of fishing &  
 discussion of reasons for apparent  
 poverty of these waters.

GLK glk

M

D'Arrigo, A. (1959) 59-5555  
Boll.Pesca, 35(1):9-11  
 L'estrazione degli idrocarburi in  
 mare, la navigazione subacquea e la  
 pesca (Oil extraction from the  
 sea, underwater navigation and  
 fisheries)

Discussion of the effects of oil  
 extraction from the continental shelf.

GLK:glk

M

Zolezzi, G. (1959) 59-5553  
Boll.Pesca, 35(1):1-7  
 Primo elenco di bacini e laghetti  
 montani passibili di sfruttamento ittico  
 (First list of water basins and  
 mountain lakes suitable for fishery)

Dimensions of each of these bodies  
 of water listed & possible use to be  
 made.

GLK:glk

F

Flaccomio, E. (1959) 59-5556  
Corriere d.Pesca, 15(3):3  
 Possibilità di acclimataro, nei  
 laghetti collinari di Calabria e di  
 Sicilia, il prezioso pesce "Gurami"  
 (The possibility of acclimatizing the  
 previous fish "Gurami" in the mountain  
 lakes of Calabria and Sicily)

Contents as per title.

GLK:glk

F

Peare, C.O. (1958) 59-5557  
J.B.Lippincott Co., Philadelphia, 188 p.  
 A scientist of two worlds: Louis  
 Agassiz

MF

Bishai, F.R. & 59-5558  
 G. Hempel (1958)  
Kurze Mitt.Inst.FischBiol.Univ.Hamburg  
 (8):1-10  
 Zur Beziehung von Wassergehalt und  
 Längen-Gewichtskoeffizient bei  
 Schollen (Pleuronectes platessa L.)  
 (On the relation between water content  
 and the coefficient of length: weight  
 of plaices, P. platessa L.). En

States that the water content is  
 directly related to the condition  
 factor which is in turn related to the  
 correlation between age & weight.  
 FAO:dr M

Gayral, P. (1958) 59-5558  
Rabat, 524 p.  
 Algues de la côte atlantique marocaine  
 (Algae from the Atlantic coast of  
 Morocco)

M

Harder, W. (1958) 59-5561  
Kurze Mitt.Inst.FischBiol.Univ.Hamburg  
 (8):11-61  
 Zur Anatomie des Darmtraktes einiger  
 Familien der Clupeoidea: Clupeidae,  
 Dorosomatidae, Dussumieriidae und  
 Engraulididae (Clupeiformes, Pisces)  
 (On the anatomy of the intestine turns  
 of some families belonging to  
 Clupeoidea: Clupeidae, Dorosomatidae,  
 Dussumieriidae & Engraulididae -  
 Clupeiformes, pisces). En

Comparative descriptions of 101 spp.

FAO:dr

M

Bold, H.C. (1958) 59-5559  
Amer.J.Bot., 45:737-43  
 Three new chlorophycean algae  
  
 Description of Neochloris alveolaris,  
Ulothrix fimbriata & Hazenia mirabilis,  
 & their life histories.

FAO:t1

F

Lillelund, K. (1958) 59-5562  
Kurze Mitt.Inst.FischBiol.Univ.Hamburg  
 (8):63-75  
 Altersbestimmungen an Fischen aus den  
 Salmonidenregionen einiger Elbeneben-  
 flüsse im Raum Hamburgs (Age-  
 determinations on fish living in the  
 trout-region of some tributaries of  
 the Elbe river). En

Contents as per title.

FAO:dr

F

McGary, J.W. & 59-5563  
E.D. Stroup (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(1958) 250 p.

Oceanographic observations in the  
central North Pacific, September 1954 -  
August 1955

Tabulated & graphical oceanographic  
& maritime meteorological data.

GLK:tl

M

Brown, F.A., Jr. (1957) 59-5566  
Amer.Nat., 91:129-33  
Biological chronometry

Consideration of the general nature  
& significance of the problem.

FAO:lr

IF

Graham, J.J. & 59-5564  
D.D. Stewart (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(1958):16 p.

Estimating maximum fishing depth of  
longline gear with chemical sounding  
tubes

Summary of methods used. POFI studies  
of Germo alalunga in central N. Pacific

GLK:sjh

M

Stephens, G.C. (1957) 59-5567  
Amer.Nat., 91:135-51  
Twenty-four hour cycles in marine  
organisms

Reviews some recent contributions made  
to the analysis of the 24-hour color  
change rhythm of the fiddler crab,  
Uca; examines synoptically the field  
of biological rhythms assessing the  
present state of information.

FAO:hr

M

International Group of 59-5565  
Consulting Engineers (1958?)  
The Hague, 9 p.

Fishing industry demonstration project  
survey of the objectives, execution  
and results of an investigation into  
the German fishing industry

Incl. a production programme; notes  
on operation of vessels.

GLK:sjh

M

Fingerman, M. (1957) 59-5568  
Amer.Nat., 91:167-78  
Lunar rhythmicity in marine organisms

A review of the following topics;  
lunar rhythms of: motion & locomotion,  
breeding & color change; adaptive  
significance, & possible mechanisms of  
lunar rhythms.

FAO:hr

M



Murritius, Department of 59-5569  
 Agriculture (1959)  
 Port Louis, 62 p.  
 Annual report for the year 1957

Incl. section on fresh water fisheries,  
 pond construction for experimental  
Tilapia production; feeding experiments  
 with T. macrochir, T. zillii & T.  
melanopleura.

FAO: sjh

F

Bermúdez, P.J. (1958) 59-5570  
Acta cient. venezol., 9:122-5  
 Los foraminíferos pelágicos de la  
 region Caribe-Antillana (Paleocono-  
 Reciente) (Pelagic foraminifera  
 of the Caribbean-Antilles region,  
 Paleocene-Recent)

A systematic study of foraminifera  
 of Globigerinidae & Globorotaliidae.

FAO hr

M

Bardach, J.E. & 59-5570  
 R.G. Bjorklund (1957)  
Amer. Nat., 91:233-51  
 The temperature sensitivity of some  
 American freshwater fishes

The mechanism involved in temperature  
 perception, namely, areal or spatial  
 summation from individual small skin  
 fibers which enables the fish to sense  
 rapid temperature changes of about  
 .05°C was tested experimentally.

FAO: jeb

F

Senn, H.V. & 59-5573  
 H.W. Hiser (1957)  
Proc. 6th Weather Radar Conference,  
Cambridge, Mass., March 26-28, 1957-70  
 Tracking hurricanes with radar

Discusses & describes previous  
 tracking methods & some  
 discrepancies between various center  
 positions. Gives notes on a new  
 method developed for finding storm  
 centers by log. spiral overlays which  
 describe spiral precipitation bands  
 as observed on radar & their relation  
 to storm center.

FiB:efa

F

Scott, A.M. & 59-5571  
 R. Grönblad (1957)  
Acta Soc. Sci. fenn., 2B(8):62 p.  
 New and interesting desmids from the  
 southeastern United States

Ill. detailed taxonomy & description  
 of desmid flora of the region, with  
 a list of the collections & habitats  
 mentioned. Incl. bibliographic list.

FAO: efa

F

Longhurst, A.R. (1958) 59-5574  
Fish. Publ., Lond., (11):101 p.  
 An ecological survey of the West  
 African marine benthos

Describes bottom topography &  
 sediments, hydrography & bathymetric  
 distribution of organisms, benthos  
 communities in estuaries, & on  
 different kind of bottoms in sea.  
 Comparison of these communities with  
 those in higher latitudes.

FAO: tl

MF

Travassos, H. (1959) 59-5575  
Trop. Fish Hobbyist, 7(6):5-7, 48-9  
 A new species of characid fish from  
 Trinidad, Aphyocharax axelrodi

Describes a new sp. of the  
 Cheirodontinae.

HR:wad

F

Tesch, F.W. (1958) 59-5578  
Gewässer u. Abwässer, (20):40-55  
 Ernährung und Wachstum der Salmoniden  
 in einer Trinkwassertalsperre  
 (Feeding and growth of salmonides in an  
 artificial lake for drinking water)

Short ecological description of the  
 lake; composition of food & growth of  
Salmo irideus, S. fontinalis & S.  
trutta fario.

FAO:tl

F

Harnisch, O. (1958) 59-5576  
Gewässer u. Abwässer, (20):7-12  
 Leben ohne Sauerstoff namentlich bei  
 euryoxybionten Süßwassertieren  
 (Life without oxygen namely by  
 euryoxybionte fresh water animals)

Review of the physiology of animal  
 life in the absence of oxygen in the  
 water & bottom sediments.

FAO:tl

F

Hoch, K. (1958) 59-5579  
Gewässer u. Abwässer, (20):56-60  
 Die Wasserkäfer des Schwarzen Wassers  
 bei Wesel (Water beetles of the  
 "Schwarzes Wasser" (Black Water) by  
 Wesel)

Taxonomic listing of the beetles  
 found with few remarks on their  
 distribution & ecology.

FAO:tl

F

Bursche, E.-M., H. Kühl 59-5577  
 & H. Mann (1958)  
Gewässer u. Abwässer, (20):13-39  
 Hydrochemische Faktoren und Phyto-  
 plankton während einer Tide in der  
 Elbmündung bei Cuxhaven (Hydro-  
 chemical factors and phytoplankton  
 during a tide in the Elbe estuary by  
 Cuxhaven)

Hydrochemistry of the estuarian water  
 & the occurrence of fresh water &  
 marine algae by spp. & quantities.

FAO tl

MF

Wülker, W. (1958) 59-5580  
Gewässer u. Abwässer, (20):61-7  
 Parasitäre Intersexualität bei  
 Chironomiden des Schluchsees  
 (Parasitary intersexuality of the  
 Chironomides of the Lake Schluchsee)

Contents as per title.

FAO:tl

F

Casemir, H. (1958) 59-5581  
Gewässer u. Abwässer, (20):68-85  
 Die Spinnenfauna am "Schwarzen Wasser"  
 bei Wesel (The spider fauna on the  
 "Schwarzen Wasser" by Wesel)

List of spp. found & notes on their  
 ecology.

FAO:tl

F

Mann, H. (1958) 59-5584  
Allg. FischZtg., 83:249-50  
 Neuere Ergebnisse der Bekämpfung der  
 Bauchwassersucht mit Antibiotika  
 (New results of dropsy control by  
 antibiotics)

Gives results of treatments with  
 antibiotics & emphasizes the  
 importance of disinfection of ponds.

FAO:dr

F

Benisch, J. (1958) 59-5582  
Gewässer u. Abwässer, (20):86-7  
 Caedax 547, ein neues Einbettungsmittel  
 für Plankton-Organismen (Caedax  
 547, a new mean for mounting of  
 plankton organisms on the microscope  
 slides)

Description of the use of the  
 chemical & its properties.

FAO:tl

G

Schiemenz, F. (1958) 59-5585  
Allg. FischZtg., 83:309-11  
 Neuere Anschauungen über die  
 Notwendigkeit von Fischtreppe an  
 Wehren in Flüssen (New concepts on  
 the necessity of fishways attached to  
 river weirs)

Account of discrepancies between fish  
 & power management in rivers, with  
 notes on construction & improvement  
 of fish-ways.

FAO:dr

F

Bank, O. (1958) 59-5583  
Allg. FischZtg., 83:136-7  
 Zur Bekämpfung der Wasserpest  
 (On the control of water-weed)

Notes on the behaviour of Elodea & a  
 brief review of methods for control.  
 States possibilities of control with  
 N-fertilizers.

FAO:dr

F

Jens, G. (1958) 59-5586  
Allg. FischZtg., 83:369-70  
 Schutz des Fischbestandes bei  
 Unterwassersprengungen mit Hilfe eines  
 Luftschleiers (The protection of  
 the fish stocks by the mean of an  
 'air-curtain' established in the  
 course of underwater explosions)

Description of the method.

FAO:dr

F



Vernon, E.H. (1958) 59-5587  
New Westminster, B.C., 49 p.  
 An examination of factors affecting  
 the abundance of pink salmon in the  
 Fraser river

A study in which climatically  
 influenced features of the freshwater  
 environment & early marine residence  
 of Oncorhynchus gorbuscha are compared  
 with subsequent adult abundance.

GLK:wad

MF

Meixner, R. (1958) 59-5590  
Dtsch.FischZtg., 5:372  
Hefezusatz zum Forellenfutter  
 (Admixture of yeast to food of trout)

Brief review of results obtained in  
 feeding fingerlings.

FAO:dr

F

Subklew, H.-J. (1958) 59-5588  
Dtsch.FischZtg., 5:353-4  
Muss der Meeresgrund gepflügt werden?  
 (Must the sea bottom be ploughed?)

A popular account of the harmful  
 effect of trawling.

FAO:dr

M

Breitenstein, W. (1958) 59-5591  
Dtsch.FischZtg., 5:375-8  
Fischereibetrieb und Nerzzucht  
 (Fisheries management and mink  
 breeding)

Cost & earnings of combined fish  
 & mink breeding.

FAO:dr

F

Zobel, H. (1958) 59-5589  
Dtsch.FischZtg., 5:357-61  
Stellung der Plötze in den Erträgen  
des VEB Binnenfischerei Potsdam  
 (The part of roach in the production  
 of the VEB Binnenfischerei Potsdam)

Gives statistics of catch & value.

FAO:dr

F

Bank, O. (1959) 59-5592  
Allg.FischZtg., 84:43-5  
Wodurch wird die Tätigkeit des  
Teichbodens beeinflusst? (What  
 does influence the activity of the  
 pond's bottom?)

Brief review of the subject.

FAO:dr

F

India. Ministry of Food 59-5593  
& Agriculture (1958)  
Indian Fisheries Bulletin, 5(2):35 p.

General notes on the condition & development of Indian fisheries; reports of research activities with summaries of published papers; digest of information on foreign fisheries obtained from overseas journals.

FAO:glk

MF

Anonymous (1959) 59-5596  
S.Afr.Shipp.News Fish.Ind.Res., 14(3):  
49, 51, 53

Research will help fishing industry reach its maximum safe catch

Notice of the 14th annual report of the Fisheries Development Corporation of South Africa Ltd.

FAO:glk

M

Nümann, W. (1959) 59-5594  
Allg.Fischztg., 84:49-50  
Fischtransporte über weite Strecken (Die Besetzung anatolischer Binnengewässer mit Felchen, Aal und Zander) (Long distance transport of fish - The stocking of Anatolian inland water with whitefish, eel and pike-perches)

Reports restocking measurements undertaken in Western Turkey in 1954.

FAO:dr

F

International Oceanographic 59-5597  
Foundation (1959)  
Sea Secrets, 3(3) 3 p.

Answers to various biological & other questions received by the International Oceanographic Foundation; miscellaneous notes on marine life.

FiB:sjh

M

GFCM (1959) 59-5595  
Stud.Rev.gen.Fish.Coun.Medit., (6):27 p.  
Mediterranean trawling second and third reports

Description of the gears, physical measurements made of their operation & some results of selectivity experiments.

SJH:glk

M

Faure, L. (1958) 59-5598  
Sci.Pêche, (64):5 p.

Résultats préliminaires de la première campagne 1958 du PRESIDENT THEODORE TISSIER (Preliminary results of the first cruise of 1958 of the PRESIDENT THEODORE TISSIER)

Results of observations on prevailing hydrographic conditions & concentrations of sardine & other spp. at the southern entrance of the English Channel.

FAO:hr

M

Queensland. Department of 59-5599  
Harbours & Marine (1958)  
Brisbane, 28 p.  
Report for the year ended 30th June,  
1958

Contains reports by Harbours Branch  
& Portmaster on engineering &  
navigational matters; & by the Chief  
Inspector of Fisheries, dealing with  
licencing, fish supplies, legislation  
& prosecution, oyster, prawn, scallop,  
shell fisheries; research by the State  
& by CSIRO; publications, staff.  
Appendices give accounts, licenses  
issued, production statistics for

India, Ministry of Food 59-5602  
& Agriculture (1958?)  
(mimeo), 83 p.  
National report to the Food and  
Agriculture Organization of the  
United Nations (1955-57)

Incl. chapter on fisheries of the  
country.

FiB:sjh

MF

59-5599  
(Card 2)  
pearl-shell, trochus & Boche-de-mer.

FAO:sjh

MF

Ryan, J.H. (1959) 59-5603  
Calif. Fish Game, 45:93-109  
California inland angling estimates  
for 1954, 1956, and 1957

Describes methods used & results  
obtained in a survey based on  
questionnaires sent to a stratified  
random sample of all angling license  
buyers & covering catches of inland  
fish incl. striped bass, Roccus  
saxatilis, & Oncorhynchus.

SJH:wad

MF

Sudan. National FAO 59-5601  
Committee (1958)  
Khartoum, 73 p.  
Report to the Food and Agriculture  
Organization of the United Nations,  
period 1955-1957

Incl. sections on fisheries under main  
headings: Food & Agricultural  
Activities 1955-57; Research; Main  
Problems Outstanding. As this is the  
1st such report, it contains general  
description of climate, vegetation &  
agricultural background of the Sudan.

FiB:sjh

MF

Fisk, L.O. (1959) 59-5604  
Calif. Fish Game, 45:111-22  
Experiments with a vertical blaffle  
fishway

Describes methods used & results  
obtained in testing a device suitable  
for passing upstream migrants,  
especially striped bass, Roccus  
saxatilis, shad, Alosa sapidissima &  
sturgeon, Acipenser, over a barrier  
on the Sacramento river, California.

SJH:wad

MF



Bucksch, R. (1959) 59-5605  
Ost.Wasserw., 11(1):7-9  
Fragen des internationalen Wasserrechtes  
(Questions of international water  
rights)

Legal discussion.

FiB:glk

F

Roy, J.-M. (1958) 59-5608  
Actualités mar., 2(3):3-10  
La lamproie (The lamprey)

Distinctive characters; biology;  
economic importance of Petromyzon  
marinus, Ichthomyzon unicuspis, I.  
fossor & Entosphenus lamottenii.

FAO:glk

MF

Fu-tu, L. (1958) 59-5606  
Acta hydrophys., 5(2):81-102  
Die Regulierung des Hwangho  
(The regulation of the Hwangho)

Outline of plans for regulation of  
the Chinese river to prevent erosion  
& flooding.

GLK:tl

F

Couillard, P. (1958) 59-5609  
Actualités mar., 2(3):24-6  
L'utilité scientifique des  
invertébrés marins (The  
scientific value of marine  
invertebrates)

Popular discussion of the use of  
invertebrate forms for study of  
fundamental questions in biology.

FAO:glk

M

Freeman, B.O. (1959) 59-5607  
Miss.Game Fish, 22(6):5  
Fishing the flood control reservoirs

A brief report on the results of a  
study to determine fishing pressure &  
harvest on Grenada, Enid & Sardis  
reservoirs, Mississippi.

FAO:wad

F

Berube, Z. (1958) 59-5610  
Actualités mar., 2(3):27-32  
Statistiques des pêches maritimes du  
Québec - 1957 (Statistics of  
Quebec marine fisheries 1957)

Quantity & value of catch by spp. &  
regions; utilisation; fishing boats  
& gears, ice-plants etc.; fishermen  
of each region engaged in each unit  
fishery & on each kind of boat.

FAO:glk

M

Perlin, A.B. (Ed.) (1958?) 59-5611  
St. John's, Newfoundland  
The story of Newfoundland

New & fully revised history of Newfoundland, with a description of the social & economic life of the province, its natural history, resources, public services, industry & culture.

tn

B

Switzerland. National 59-5614  
 FAO Committee (1958)  
Berne, 38 p.

Huitième rapport trisannuel adressé par la Suisse à l'Organisation des Nations Unies pour l'Alimentation et l'Agriculture 1955, 1956 et 1957 (Eighty triannual report of Switzerland to the Food and Agriculture Organization of the United Nations 1955, 1956 and 1957)

Incl. some statistics of fish production & consumption.

FiB:sjh

F

Power, E.A. (1958?) 59-5612  
Statist. Dig. U.S. Fish Wildl. Serv., (43)  
Fishery statistics of the United States, 1956

Incl. data on the volume & value of the catch of fishery products, employment in the fisheries, quantity of gear operated, number of fishing craft employed in the capture of fishery products, & information on the volume & value of the production of manufactured fishery products & by-products. Historical catch statistics for all regions of the United States.

ts

MF

Turekian, K.K. (1958) 59-5615  
Nature, Lond., 182:1728-9

Rate of accumulation of nickel in Atlantic equatorial deep-sea sediments and its bearing on possible extra-terrestrial sources

Data on rate of accumulation of nickel in sediments & discussion of its origin from terrestrial source.

GLM tl

II

Bradley, V.H. & 59-5613  
 P. Cooke (1958)  
Fish. Bull., U.S., (137):305-34  
Living and ancient populations of the clam (Gemma gemma) in a Maine coast tidal flat

2 spp., G. gemma & Mya arenaria, have occupied the flat jointly for at least a thousand years. Subsurface evidence indicates that twice during this interval the populations were removed catastrophically from most of the sandy part of the flat each time re-established themselves.

FAO tn

II

Olsson, R. (1958) 59-5616  
Nature, Lond., 182:1745  
A bucco-hypophysial canal in Elops saurus

Describes a canal connecting the pituitary & the oral epithelium in young individuals & discusses its phylogenetic significance.

GLK:wad

II

de Silva, P.H.D.H. (1958) 59-5617  
Nature, Lond., 182:1751-2  
Use of artificially liberated larvae  
in experiments on the setting  
behaviour of Spirorbis

Describes their viability &  
discrimination in selecting substrates  
as compared with naturally liberated  
larvae; relates use of the method  
to spp. determination & anti-fouling  
research.

GLK:wad

M

PCIFC 1946. Chairman of 59-5620  
the Committee (1958)  
Conf.Pap. PCIFC 1946, 7th Meet. PC7/95  
7 p.  
Committee on mesh difficulties -  
Report

Reviews terms of reference of the  
committee & summarizes the precise  
difficulties of member countries as  
regard to the application of present  
mesh provisions on sole, whiting, &  
mixed fishes.

GLK:efa

M

Russell, F.S. (1958) 59-5618  
Nature, Lond., 182:1755  
Salt excretion in marine birds

Describes observations of presumed  
salt excretion in lesser black-backed  
gulls in the North Sea.

GLK:wad

M

PCIFC 1946. Sub-Committee 59-5621  
of Scientists (1958)  
Conf.Pap. PCIFC 1946, 7th Meet.,  
PC7/95 Annex, 128 p.

Application of present mesh  
provisions: committee to consider  
difficulties experienced by member  
countries

Reports catch statistics, distribution  
of fisheries, size composition of  
landings, price structure of market  
categories & effect of mesh regulations  
for sale, whiting, haddock plaice &  
mixed fishes by catches from herring  
& mackerel fisheries & other than

PCIFC 1946 (1958) 59-5619  
Dublin  
International Fisheries Convention of  
1946 conference papers for the seventh  
meeting of the Permanent Commission,  
Dublin, November 1958

Contains 59-5620 to 59-5625.

GLK:

M

59-5621  
(Card 2)  
these fisheries. Incl. revision of  
the Hague report on the sale  
fisheries.

GLK:efa

M



PCIFC 1946. Liaison Committee (1958) 59-5623  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/96Rev., 4 p.  
Report of the Liaison Committee,  
Saturday, 4th October, 1958

GLK:

Aglen, A.J. (1958) 59-5626  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/99  
Statement of payments and receipts for  
the year ended 30th June, 1958

GLK:

Savage, A. (1958) 59-5624  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/97  
Information and statistics on  
industrial fisheries

Contains statistical information  
concerning industrial fisheries of  
Denmark, Norway, Sweden & Germany.

GLK:efa

M

PCIFC 1946. (1958) 59-5627  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/100(3rd Rev.),  
List of memoranda circulated up to  
27th November, 1958

GLK:

M

Drost, H.S. (1958) 59-5625  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/98, 4 p.  
Report by the Infractions Committee  
  
Incl. summary of infringements on  
mesh of nets & undersized fish for  
year 1957.

GLK:efa

M

Went, A.E.J. (1958) 59-5628  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/101  
Report by the Commission's observer at  
the meeting of the International  
Council for the Exploration of the  
Sea: Copenhagen, 29th September to 4th  
October, 1958

GLK:

M

PCIFC 1946 (1958) 59-5629  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/102Rev.,  
Delegates and advisers attending

GLK:

I

Jónsson, J. (1958) 59-5632  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/105  
Report by the Commission's observer  
at the meeting of the International  
Commission for the Northwest Atlantic  
Fisheries Halifax, Canada, 9th to  
14th June, 1958

GLK:

II

PCIFC 1946 (1958) 59-5630  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/103  
Minutes of sessions

GLK:

PCIFC 1946 (1958) 59-5633  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/107Rev.  
Amendment of article 7(2) of the  
Convention

GLK:

III

PCIFC 1946 (1958) 59-5631  
Conf.Pap.PCIFC 1946 , 7th Meet., PC7/104  
Supplementary report of the Liaison  
Committee: arising principally out of  
results communicated to the Comparative  
Fishing Committee during the I.C.E.S.  
meeting in 1958

GLK:

PCIFC 1946 (1958) 59-5634  
Conf.Pap.PCIFC 1946 , 7th Meet.,  
PC7/108Rev.  
Note on conclusions reached by the  
commission at their seventh meeting

GLK:

PCIFC 1946. Korringa's 59-5635  
Working Party (1958)  
Conf.Pap.PCIFC 1946, 7th Meet.,  
PC7/109

Mesh size for whiting in region VII

Presents suggestions to commission's  
consideration on adoption of 60 mm  
mesh for whiting in certain parts of  
region VII.

GLK:efa

M

Rangneker, P.V., B.B. 59-5638  
Gaitonde & S.S. Mandrekar (1958)  
J.biol.Sci., 1:78-83

Effects of pharmacological agents  
on the rhythmic activity of the  
heart of Panulirus polyphagus (Herbst)

Bersamin, S.V. (1957) 59-5636  
Philipp.J.Sci., 86:339-57  
Fluctuations in the planktonic  
population of the estuaries of Navotas  
and Malabon

1 F

Nair, K.K. & 59-5639  
S.R. Sane (1958)  
J.biol.Sci., 1L99-100  
Histochemical demonstration of  
alkaline phosphatase activity in the  
body wall of Hydra sp.

F

Subrahmanyam, R. (1958) 59-5637  
J.Indian bot.Soc., 37:435-41  
Phytoplankton organisms of the Arabian  
Sea off the west coast of India

Sundaralingam, V.S. (1959) 59-5640  
Proc.Indian Acad.Sci., 49B:7-51  
Systematic account of the South  
Indian Characeae



Palmer, G. & 59-5641  
W.W.A. Phillips (1958)  
J.Bombay nat.Hist.Soc., 55:486-92  
Some observations on the fauna of the  
Maldive islands - 5. Fishes - 6.  
Insects

Mohamed, K.H. (1958) 59-5644  
J.Bombay nat.Hist.Soc., 55:512-7  
Occurrence of the eel Neenchelys  
buitendijki Weber and De Beaufur in  
Indian waters



MF

Barnabas, J. & 59-5642  
T. Barnabas (1958)  
J.biol.Sci., 1 84-7  
Lipids in the muscles of some  
representative type of vertebrates

Silas, E.G. (1958) 59-5645  
J.Bombay nat.Hist.Soc., 55:523-31  
Remarks on Indian cyprinid fishes  
described by Jerdon (1849) under  
Gonorrhynchus McClelland

MF

F

Birkhoff, G. (1957) 59-5643  
Hansa, 94(12-13):593  
The factory ship of the future  
  
Description of the future trends in the  
construction of factory ships.

Goldschmidt, F.R. (1958) 59-5646  
J.Bombay nat.Hist.Soc., 55:473-80  
Catla fishing in Powai lake, Greater  
Bombay

stl

II

F

Jonklaas, R. (1958) 59-5647  
Loris, 8:77-80  
It's tough hooking a sailfish

II

Swarup, H. (1957) 59-5650  
Proc.nat.Acad.Sci.India, 27B:274-8  
Production of haploidy in  
experimentally treated eggs of  
Gasterosteus aculeatus (L.)

II

Bose, N.K. (1958) 59-5648  
Indian J.Pwr Riv.Vall.Developm., 8(4)  
1-2, 6  
Future of multipurpose river valley  
projects

F

Timm, R.W. (1958) 59-5651  
J.Bombay nat.Hist.Soc., 55:107-9  
Two new species of Echinoderella  
(phylum Kinorhyncha) from the Bay of  
Bengal

M

Sinha, G. (1958) 59-5649  
Irrig.& Pwr, 15:85-99  
Mathematical computation of tidal  
propagation in estuarine rivers

MF

Dinamani, P. (1957) 59-5652  
Bull.Res.Inst.Univ.Kerala, 50(2):  
123-48  
Stomach and associated structures in  
the blackwater clam, Villorita  
cyprinoides (Gray) var. cochinensis  
(Hanley)

F

Pillai, N. Krishna (1957) 59-5653  
Bull. Res. Inst. Univ. Kerala, 5C(1):1-68  
Pelagic crustacea of Travancore - 2 & 3  
Schizopoda

II

Chacko, P.I. 59-5656  
S. George (1958)  
Madras Fish. Marketing Rep., (3):11 p.  
Appraisal of the sea fisheries  
resources of the Kanyakumari district

II

Pillai, N. Krishna (1957) 59-5654  
Bull. Res. Inst. Univ. Kerala, 5C(2):149-57  
New species of Limnoria from Kerala

II

Menon, M.D. & 59-5657  
P.I. Chacko (1958)  
J. Bombay nat. Hist. Soc., 55:117-24  
Food and feeding habits of some  
freshwater fishes of Madras State

F

Silas, E.G. (1958) 59-5655  
J. Bombay nat. Hist. Soc., 55:54-99  
Studies on cyprinid fishes of the  
oriental genus Chela Hamilton

F

Prasad, R.R. (1958) 59-5658  
Proc. Indian Acad. Sci., 47B:331-7  
Note on the occurrence and feeding  
habits of Noctiluca and their  
effects on the plankton community  
fisheries

M



Sarojini, K.K. (1958) 59-5659  
J.Bombay nat.Hist.Soc., 55:42-53  
Collection, acclimatisation, and  
transport of mullet seed in West  
Bengal (India)

MF

Rao, V.M. (1957) 59-5662  
Bull.Res.Inst.Univ.Kerala, 5C(2):15-8  
Study of surface currents in the sea  
by drift cards

II

Balakrishnan, A. (1957) 59-5660  
Bull.Res.Inst.Univ.Kerala, 5C(2):7-9  
Variation of salinity and temperature  
in Ernakulam Channel

M

Rao, V.N. & 59-5663  
N.K. Balachandran (1957)  
Bull.Res.Inst.Univ.Kerala, 5C(2):19-21  
Study of sea surface roughness by  
photographic method

II

Kartha, T.D.K. (1957) 59-5661  
Bull.Res.Inst.Univ.Kerala, 5C(2):11-3  
Microseismic recorder at Naval  
Physical Laboratory, Cochin

M

Sastry, A.A. Rama (1957) 59-5664  
Bull.Res.Inst.Univ.Kerala, 5C(2):1-5  
Vertical stability of the upper  
layers in the Bay of Bengal

M

Swamy, H.N. (1957) 59-5665  
Bull.Res.Inst.Univ.Kerala, 50(2):23-5  
 Ocean current measurement by towed  
 electrodes

M

Cope, O.B. (1958) 59-5668  
Fish.Bull., U.S., (140):417-42  
 Annotated bibliography on the  
 cutthroat trout

135 abstr. in order of author names,  
 on biology, management, culture &  
 distribution of Salmo clarki.  
 Gives scientific & vernacular  
 names, indexes by subject.

FAO:sjh

F

Deboutteville, C.Delamare, 59-5666  
 A.-G. Humes & J. Paris (1957)  
C.R.Acad.Sci., Paris, 244:504-6  
 Sur le comportement d'Octopicola  
superba Humes, n.g.n.sp. parasite de la  
 pieuvre Octopus vulgaris Lamarck  
 (On the behaviour of Octopicola superba  
 Humes, n.g., n.sp., parasite of the  
 devil-fish, Octopus vulgaris Lamarck)

Description of the parasite with notes  
 on reproductive behaviour & activity  
 in aquaria.

FAO:glk

M

Bjornn, T.C. (1957) 59-5669  
Idaho Fish & Game Dep., 176 p.  
 A survey of the fishery resources of  
 Priest and upper Priest lakes and  
 their tributaries, Idaho

A survey to determine the factors  
 causing the decline in the number of  
 cutthroat.

:fb

F

Husson, R. & 59-5667  
 H. Schorr (1957)  
C.R.Acad.Sci., Paris, 244:513-5  
 Mise en évidence d'acide urique dans  
 les organes jaunes du crustacé  
 troglobie Caecosphaeroma burgundum  
 Dollfus (Demonstration of uric acid  
 in the "yellow organs" of the  
 crustacean Caecosphaeroma burgundum  
 Dollfus)

Applications of the Schindler uric  
 acid test, the Schindler urate test  
 & a test for guanine.

FAO:glk

M

Anonymous (1957) 59-5670  
Proc.Utah Acad.Sci., 34:73-9  
 The choice of spawning sites by  
 cutthroat trout

Several environmental factors were  
 examined in stream surveys on 6  
 Yellowstone lake tributaries used  
 by cutthroat trout for spawning.  
 Attempt was made to relate  
 distribution of redds in each stream  
 with factors known to sometimes  
 influence choice of spawning sites.

fb

F

McConnell, W.J., W.J. Clark 59-5671  
& W.F. Sigler (1957)  
Utah State Agr. College, 76 p.  
Bear lake, its fish and fishing

F

Bank, O. (1959) 59-5674  
Allg.FischZtg., 84:27-9  
Wodurch wird die Tätigkeit des  
Teichbodens beeinflusst? - I.  
Steigerung der Bakterienarbeit durch  
Trockenlegung (Factors effecting  
the activity of the pond bottom - I.  
Increase of bacterial activity due  
to pond's drainage)

Brief review of the subject.

Fib:dr

F

Platts, W.S. (1957) 59-5672  
Utah Fish Game Mag., 13(10):4, 10  
The cutthroat trout

Describes history & range of Utah &  
Colorado cutthroat. Management in Utah  
is discussed in relation to  
environmental changes. Habitat, life  
history, spawning habits, & development  
are treated.

:fb

F

Bas Peired, D.C. (1957) 59-5675  
Universidad de Barcelona, 67 p.  
Barcelona y la pesca catalana  
(Barcelona and the Catalanian  
fisheries)

Considerations on biological,  
technological & socio-economic  
aspects of the fisheries.

Fib:chr

M

Keiz, G. (1958) 59-5673  
Allg.FischZtg., 83:50-1  
Versuche zu einer Antibiotica-Therapie  
bauchwassersuchtkranker Laichkarpfen  
(Experiments on an antibiotic-therapy  
of spawning carps infected by dropsy)

Reports results obtained by  
achromycin & teramycin. States that uncom  
uncontrolled & indiscriminate  
antibiotic-injections must be  
avoided.

FAO:dr

F

Bucksch, R. (1958) 59-5676  
Ost.Wasserw., 10(7):133-5  
Die Lösung internationaler  
Rechtsprobleme des Gewässerschutzes  
durch das Kohärenzprinzip  
(Solution of international rights  
problems in water protection by  
the coherence principle)

Legal discussion.

Fib:glk

F



Abe, T. (1957)	5397	5398
Abe, T. (1958)		5396
Acolat, L. (1957)		5085
Acton, A.B. (1957)		5354
Adam, I. (1958)		5346
Adams, Th. &		
W.A. Hiestand (1958)		5086
Agg, A.R., G.E. Eden		
& K.V. Melbourne		5011
Aglen, A.J. (1958)		5626
Aikele, E. & al. (1958)		4902
Albe-Fessard, A., A. Fessard		
& L. Sollero (1959)		5001
Alderdice, D.F. &		
M.E. Worthington (1959)		4552
Alekin, O.A. &		
I.P. Moricheva (1959)		5324
Alfimov, N.N. &		
O.G. Mironov (1958)		4971
Alfirević, S. (1958)		5030
Allen, A. &		
R.E. Alston (1959)		5175
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Altmann, G. (1959)	5391	5392
Amlacher, E. (1958)		5345
Anderson, G.C. (1959)		4539
Ando, Y. &		
K. Inoue (1958)		4884
Andrew, F.J. &		
G.H. Geen (1958)		5084
Andrews, P.M. (1959)		5303
Ansorge, E. (1958)		5493
Aoe, N. (1959)		4896
Aoyama, T. &		
T. Kitajima (1959)		5379
Arai, K. (1958)		5137
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Arte, P. (1958)		4840
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Asakawa, S. (1959)		4888
Atkinson, W.S. (1957)		4613
Atz, J.W. (1958)		5147
Ayers, J.C. & al. (1958)		4606
Baburina, E.A. &		
I.D. Kovaleva (1959)		4858
Bagrov, N.A. (1958)		4644
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S. Rajam (1958)		5384
Bahr, K. (1958)		4654
Bainbridge, R. (1958)		5148
Bainbridge, R. &		
R.H.J. Brown (1958)		5520
Baker, L.A.E. &		
E. Billing (1958)		5442

Bal, D.V. (1957)		5074
Balachandran, N.K. (1957)		5663
Balakrishnan, A. (1957)		5660
Balfour-Browne, J. (1958)		5494
Balls, R. (1958)		4824
Balon, E. (1957)	5149	5151
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Bank, O. (1958)		5583
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Bardach, J.E. (1959)		4543
Bardach, J.E. &		
R.G. Bjorklund (1957)		5570
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T. Barnabas (1958)		5642
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E.F.W. Goodley (1958)		5431
Bar-Zeev, M. (1958)		5504
Pas Peired, D.C. (1957)		5675
Beattie, J.M. (1958)		5170
Beauchamp, R.S.A. (1958)		5415
Beaven, G.F. (1958)		5127
Beck, J.V. &		
S.R. Elsedon (1958)		5443
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Benisch, J. (1958)		5582
Benl, G. (1958)		5152
Bentley, O.G. (1958)		5170
Berg, K., J. Lumbye		
& K.W. Ockelmann (1958)		5506
Berge, G. (1958)		4684
Bergquist, P.L. (1959)		4913
Bermúdez, P.J. (1958)		5572
Bernard, F. (1957)	4585	4588
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Berner, M. (1958)		5329
Berry, F.H. (1958)	4512	4612
Bersamin, S.V. (1957)		5636
Bertelsen, E. (1959)		5402
Berthois, L. &		
H. Sully (1957)		4584
Berube, Z. (1958)		5610
Berzins, B. (1957)	4614	4631
Bieri, R. (1959)		4537
Billing, E. (1958)		5442
Birkhoff, C. (1957)		5643
Bishai, F.R. &		
G. Hempel (1958)		5560

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Bjornn, T.C. (1957)	5662	Bucksch, R. (1958)	5676
Blackman, G.E. & al. (1959)	4975	Bucksch, R. (1959)	5605
Blaik, M. (1959)	5116	Büchmann, A. (1958)	4650
Blaxter, J.H.S. (1958)	5417	Bunce, R.E. (1959)	4908
Blaxter, J.H.S. (1959)	5188	Burbanck, W.D. (1959)	4792
Blaxter, J.H.S., F.G.T. Holliday & B.B. Parrish (1958)	5416	Burdon, T.W. (1957)	4823
Bligh, E.G. (1958)	4699	Burkholder, L.M. (1959)	5192
Bogorov, B.G. (1958)	4690	Burkholder, P.R., L.M. Burkholder & J.A. Rivero (1959)	5192
Bohlke, J.E. (1958)	5168	Burman, N.P. (1958)	5444
Bold, H.C. (1958)	5552	Burnet, A.M.R. (1959)	4942
Boroughs, H. (1957)	4531	Burnstock, G. (1958)	5526 5527
Boschi, E.E. (1958)	4981 4990	Bursche, E.-M., H. Kühl & H. Mann (1958)	5577
Boschi, L.A., M.L. Fuster de Plaza & E.E. Boschi (1958)	4981	Busnita, Th. (1957)	5067
Bose, N.K. (1958)	5648	Butcher, R.W. (1959)	4984
Boswell, J.L. (1958)	5281	Butler, P.A. & A.J. Wilson, Jr. (1957)	5267
Bottemanne, C.J. (1959)	4903	Butler, P.M. & E.J. Popham (1958)	5516
Bouillon, J. (1957)	4589	Butz, G. (1958)	5126
Bovet, D., F. Bovet-Nitti & G.B. Marini-Bettolo (1959)	5000	Buznikov, G.A. (1959)	4856 4861
Bovet-Nitti, F. (1959)	5000		
Bown, J. (1958)	4850		
Braarud, T. (1958)	4668		
Brachet, J. & E.E. Mirsky (1959)	5002	Cadenat, J. (1959)	4623 4625 4626
Bradbury, S. (1958)	5464	Cadenat, J. & M. Doutre (1959)	4630
Bradbury, S. & G.A. Meek (1958)	5465	Cadenat, J. & A. Lassarat (1959)	4629
Bradley, D.E. (1958)	5451	Canada. Dominion Bureau of Statistics (1958)	4501
Bradley, W.H. & P. Cooke (1958)	5613	Canada. Dominion Bureau of Statistics (1959)	4502
Braemer, W. (1958)	5087	Canada. Fisheries Research Board (1958)	4662
Braga, J.M. (1958)	4997	Canadian Interdepartmental FAO Committee (1958)	5430
Breitenstein, . (1958)	5591	Cantacuzène, A.-M. (1957)	4580
Brémond, J.-C. (1957)	4581	Caram, B. (1957)	4574
Brien, P., M. Poll & J. Bouillon (1957)	4589	Cargo, D.G. (1958)	5128
Briggs, G.E. (1959)	4972	Carritt, D.E. & J.H. Harley (1957)	4530
Brindle, A. (1958)	5466 to 5470 5507	Carruthers, J.N. (1958)	5316
	4586	Carruthers, J.N. & al. (1959)	5176
Brochu, M. (1957)	4656	Cartwright, D.E. (1958)	5307 5315
Brockstedt, H. (1958)		Casemir, H. (1958)	5581
Broecker, W.S. & E.A. Olson (1959)	4952	Cassie, R.M. (1957)	5405
Brook, A.J. (1958)	5449	Cervigón, F. (1958)	5333
Brouardel, G. (1958)	5143	Chacko, P.I. (1958)	5657
Brown, E.S. & G.G.E. Scudder (1958)	5495	Chacko, P.I. & S. George (1958)	5656
Brown, F.A., Jr. (1957)	5566	Chang, J.J. & F.H. Johnson (1959)	4784
Brown, R.H.J. (1958)	5520	Chang, S.L. (1958)	5471 5472
Brunings, M.K. (1958)	4828		
Brunner, G., G. Keiz & E. Kolb (1958)	5342		

Chanley, P.E. (1958)	5275	Curl, H., Jr. (1959)	4542
Chappelear, J.E. (1959)	4951	Currie, R.I. (1958)	4686
Chapsky, K.K. (1958)	4506	Cushing, D.H. (1958)	4663 4671
Charniaux-Cotton, H. (1957)	4583		4681 4695
Charnock, H. (1958)	5312 5313	Cushing, D.H. & al. (1958)	4667
Chestnut, A.F. (1957)	5259	Cushing, D.H. & H.F. Nicholson (1958)	4672
Chestnut, A.F., W.E. Fahy & H.J. Porter (1957)	5262	Cushing, J.E., G.J. Ridgway & G.L. Durall (1957)	4803
Chieffi, G. & E. de Lutio (1957)	5088	Cvilić, V. (1958)	5031
Choe, S. & Y. Ohshima (1958)	4868	Daget, J. (1958)	5413
Chokder, A.H. (1958)	4836	Daget, J. (1959)	4619 4620
Cihar, J. (1957)	5153	D'Amico & P.P. Foà (1959)	4635
Cihar, J. & S. Frank (1958)	5154	Danforth, W.F. (1958)	5457
Clark, R.B. & J.B. Cowey (1958)	5508	Dao, S. (1957)	4579
Clark, W.J. (1957)	5671	D'Arrigo, A. (1959)	5555
Clos, F. & A. Serfaty (1957)	5089	Das, I. (1958)	5129
Colas, J. (1957)	4580	Das, S.M. & D.B. Saxena (1958)	4514
Cole, G.A. (1957)	4511	Davey, J.T., M. Descamps & R. Demange (1959)	4618
Colless, D.H. (1958)	5453	Davis, C.C. (1959)	4785
Comita, G.W. & G.C. Anderson (1959)	4539	Dawes, B. & I. Griffiths (1959)	5166
The Conservation Foundation (1959)	4825	Dawson, C.E. (1957)	5260
Cooke, P. (1958)	5613	Day, A.A. (1959)	5113
Cooley, N.R. (1958)	5292	Deacon, G.E.R. (1958)	5310
Cooper, H.H., Jr. (1959)	4781	Deacon, G.E.R. (1959)	4327
Cooper, L.H.N. (1958)	4673	Dean, L.A. (1959)	4916
Cooper, S.C. (1959)	5173	de Angelis, R. (1958)	5109 5110
Cope, O.B. (1958)	5668	Deboutteville, C. Delamare, A.-G. Humes & J. Paris (1957)	5666
Corbet, P.S. (1958)	5473	de Lutio, E. (1957)	5088
Cordes, W.C. (1959)	4914	Demange, R. (1959)	4618
Corlett, J. (1958)	4682	Demel, K. & S. Rutkiewicz (1958)	5374
Couillard, P. (1958)	5609	Demoran, Wm.J. (1957)	5260
Coult, D.A. & K.B. Vallance (1958)	5447	Dence, W.A. (1958)	5008
Cowey, J.B. (1958)	5508	Denzer, H.W. (1957)	4503
Cox, K.W. (1958)	5282	Descamps, M. (1959)	4618
Craddock, J.M. & C.A.S. Lowndes (1958)	4862	de Silva, P.H.D.H. (1957)	5048
Craig, H. (1957)	4527 4534	de Silva, P.H.D.H. (1958)	5617
Grandall, C.A. & C.J. Goodnight (1959)	4540	Desmarais, Y. (1958)	5155
Crease, J. (1958)	5311	de Smet, W. (1958)	5049
Cronin, L.E. (1957)	5258	de Soissons, M. (1958)	4848
Cronin, L.E. (1958)	4926	Devillers, C., J. Colas & A.M. Cantacuzène (1957)	4500
Crosby, L.H. & E.J.F. Wood (1959)	5294	Dickie, L.M. (1957)	4314
Crouter, R.A. & E.H. Vernon (1959)	4551	Dierks, A. (1958)	4652
Crutchfield, J.A. (1959)	5301	Dietz, R.S. (1959)	4545
Cunningham, G.H. (1959)	5295	Dinamani, P. (1957)	5652
		Dobie, J. (1959)	4548
		Doi, T. (1958)	4366
		Donaldson, L.R. & R.F. Foster (1957)	4533



Donn, W.L. (1959)	4956	Fingerman, M., M.E. Lowe	
Donn, W.L. &		& B.I. Sundararaj (1959)	4786
W.T. McGuinness (1959)	4955	Fingerman, M., M.I. Sandeen	5299
Dorris, T.C. (1958)	4504	& M.E. Lowe (1959)	4909
Dorris, T.C. & al. (1958)	4610	Fischer, G. (1959)	4573
Doty, M.S. &		Fischer-Piette, E. (1957)	5604
M. Oguri (1958)	4675	Fisk, L.O. (1959)	5556
Doutre, M. (1959)	4630	Flaccomio, E. (1959)	4787
Dow, R.L. (1958)	5272	Flemister, S.C. (1959)	4631
Downing, A.L. (1958)	5432	Florin, M.-B. (1957)	4507
Dragesco, J. (1957)	4596	Flyger, V.F. (1958)	4635
Dragomirov, N.I. (1959)	4860	Foa, P.P. (1959)	4676
Draper, L. (1957)	5306	Fogg, G.E. (1958)	
Drost, H.S. (1958)	5625	Folsom, T.R. &	
Dubey, G.P. (1959)	4929	J.H. Harley (1957)	4526
Dunn, G.E. (1957)	5266	Folsom, T.R., F.D. Jennings	5118
Durall, G.L. (1957)	4803	& R.A. Schwartzlose (1959)	
Dussart, B. (1957)	5009	Folsom, T.R. &	
Dussault, H.P. (1958)	4698	A.C. Vine (1957)	4535
Dyer, W.J., D.I. Fraser		Fonselius, S. &	
& E.G. Bligh (1958)	4699	G. Ostlund (1959)	5454
Dzieduszycha, S. (1959)	4628	Ford, J.E. (1958)	5529
Eakin, R.E. (1958)	4799 4800	Fortune, P.Y. (1958)	4532 4533
East Africa High		Foster, R.F. (1957)	
Commission (1959)	5407	Foyle Fisheries	
Ebeling, G. (1958)	4649	Commission (1958)	5538
Eble, A.F. (1958)	5288	France. Sous-Secrétariat à la	
ECAFE (1958)	5389	Marine Marchande. Direction des	
Eden, G.E. (1957)	5011	Pêches Maritimes (1958)	4636
Elseden, S.R. (1958)	5443	Frank, S. (1958)	5154
Elster, H.-J. (1959)	5370	Fraser, D.I. (1958)	4699
Engle, J.B. (1958)	5277	Fraser, F.C. (1958)	5475
Enomoto, N. (1959)	4894	Fraser, J.H. (1958)	4608
Enns, T. (1958)	5532	Frassetto, R. (1959)	5116
Everard, C.O.R. (1958)	5474	Freeman, B.O. (1959)	5607
Fage, L. (1958)	5139 5140	Freeman, P. (1959)	5179
Fahy, W.E. (1957)	5262	Friant, M. (1957)	4558
Fairbanks, L.D. (1957)	5269	Frick, C. (1958)	4653
Fairbanks, L.D. (1958)	5235	Fry, F.E.J. (1958)	5393 5423
Farris, D.A. (1959)	4538	Fryer, G. (1959)	5193
Faure, L. (1958)	5590	Fukuhara, T. (1959)	4897
Fauvel, P. &		Fuster de Plaza, M.L. (1958)	4981
F. Rullier (1959)	4615	Fuster de Plaza, M.L.	
Fedosov, M.V. (1958)	4677	E.E. Boschi (1958)	4990
Fel'senbaum, A.I. (1959)	5319	Fu-tu, L. (1958)	5606
Feng, S.Y. (1958)	5291	Gabe, M. (1957)	5090
Fennell, R.A. (1957)	4513	Gaitonde, B.B. (1958)	5638
Fessard, A. (1959)	5001	Galkina, L.A. (1959)	5327
Fingerman, M. (1957)	5568	Galtsoff, F.B. (1958)	5271 5290
Fingerman, M. &		Gamblin, D.G. (1958)	5533
L.D. Fairbanks (1957)	5269	Gandin, L.S. &	
Fingerman, M. &		R.E. Soloveichik (1959)	5317
L.D. Fairbanks (1958)	5285	Garcia del Cid, F. (1957)	4837
		Garrick J.A.F. (1959)	5297

Garrison, G.R. (1959)	4915
Gayral, P. (1957)	4572
Gayral, P. (1958)	5558
Geen, G.H. (1958)	5084
Gelfand, D.P. (1958)	4826
Gelineo, S. (1957)	4517
Gelineo, St. (1958)	4554
GFCM (1959)	5595
George, S. (1958)	5656
Gerking, S.D. (1959)	4592
Germain, L. (1957)	4556
Germany. Bundesministerium für Ernährung, Landwirtschaft & Forsten (1958)	4646
Germany. Bundesministerium für Ernährung, Landwirtschaft & Forsten (1959)	5377
Chiretti, F. (1959)	5181
Giese, A.C. & al. (1959)	4788
Gihir, M. (1957)	5068
Gillies, M.T. (1958)	5459 5476
Ginet, R. (1957)	4573
Glover, R.E. (1959)	4780
Glover, R.S. (1958)	5412
Glude, J.B. (1957)	5265
Godfrey, H. (1959)	4774
Goldberg, E.D. (1957)	4531
Goldschmidt, F.R. (1958)	5646
Goodheart, A.J. (1959)	4948
Goodley, E.F.W. (1958)	5431
Goodnight, C.J. (1959)	4540
Goreau, T.F. (1959)	4789
Goriacheva, G.I. (1959)	4859
Graf, F. (1959)	5133
Graham, J.J. & D.D. Stewart (1958)	5564
Graham, J.W. & S.C. Cooper (1959)	5173
Grassé, P.-P. & J. Dragesco (1957)	4596
Green, J.W. & al. (1959)	4790
Greenwood, A.D. (1959)	4970
Greenwood, P.H. (1958)	5156 5523
Greenwood, P.H. (1959)	5190
Gregoire, C. (1957)	5016
Gregory, R.H., R.T. Hill & J.A. Hope, Jr. (1958)	5273
Griffiths, I. (1959)	5166
Grönblad, R. (1957)	5571
Grubišić, F. (1959)	4594
Guest, W.C. (1959)	5362
Guillard, R.R. (1958)	5286
Gulf & Caribbean Fisheries Institute (1958)	5537
Gulland, J.A. (1958)	4939

Gunter, G. (1958)	5266
Gunter, G., C.E. Dawson & Wm.J. Demoran (1957)	5266
Gusev, A.V., E.B. Zhukov & Iu.A. Strelkov (1959)	4667
Habe, T. (1958)	5041
Hale, P.A. (1958)	5183
Hall, M.F. (1957)	5333
Hall, W.M. (1957)	4967
Ham, R.G. & R.E. Eakin (1958)	4759
Hamada, S. (1959)	5352 5353
Hanaoka, T. (1958)	5076
Haneda, Y. & F.H. Johnson (1958)	5071
Hanna, H.M. (1958)	5071
Hansen, P.M. (1957)	5071
Hanzawa, M. (1958)	4782
Harder, W. (1958)	5071
Hardy, A. (1959)	4994
Hardy, E. (1957)	4994
Harleman, D.R.F. & J.M. Jordan, Jr. (1959)	4948
Harley, J.H. (1957)	4526 4939
Harnisch, O. (1958)	5576
Harris, K. (1958)	5450
Harris, K. & D.E. Bradley (1958)	5451
Harrison, H.M. (1957)	5069
Harrisson, C.M.H. (1958)	5496
Hart, J.L. (1958)	4583
Hartley, W.G. (1958)	5521 5522
Hartman, W.D. (1958)	4663
Haruta, N. (1959)	4891
Hashimoto, K. (1959)	4891
Hashimoto, K. & F. Matsuura (1959)	4689 4690
Hashimoto, Y. & T. Okaichi (1958)	4874 4675
Hasler, A.D. & W.J. Wisby (1958)	4518
Hathaway, R.R. (1958)	5276 5293
Healy, A.J. (1959)	5096
Hebard, J.F. (1957)	5182
Hellmich, G. (1958)	4557
Hempel, G. (1958)	5580
Hennings, Chr. (1958)	4651
Herrera, J. (1958)	5336
Hewitt, E.J. (1959)	5171
Hickin, N.E. (1958)	5470
Hicks, B.L. (1959)	4951
Hiestand, W.A. (1958)	5003
Higashi, H. & al. (1959)	4899 4900
Hildemann, W.H. (1959)	4643



Hill, M.N. (1959)		5119	Ingold, C.T. (1959)		4974
Hill, R.T. (1958)		5273	Inoue, K. (1958)		4884
Hinton, H.E. (1958)		5517	International Group of		
Hirao, S. & al. (1958)	4881	4882	Consulting Engineers (1958?)	5565	
		4883	IHB (1959)		5541
Hirao, S. &			International Oceanographic		
R. Kikuchi (1959)		4901	Foundation (1959)		5527
Hiser, H.W. (1957)		5573	Ishii, S. (1957)		5092
Hoch, K. (1958)		5579	Ito, Y. (1958)		5130
Hochman, L. &			Iwata, F. (1958)		5006
J. Krcal (1957)		5070			
Modgson, S.B. (1958)		5427	Jackson, D.J. (1958)	5480	5511
Holliday, F.G.T. (1958)	5416	5417			5510
Holliday, F.G.T. (1959)		5188	Jackson, H.O. &		
Holmes, R. & al. (1958)		4664	W.C. Starrett (1959)		4773
Holmes, R.W. (1958)		4688	Jackson, S.W., Jr. (1958)		5157
Holm-Hansen, O. & al. (1959)		4536	Jannasch, H.W. (1958)		5445
Holstvoogd, C. (1957)		5071	Japan. Ministry of		
Honma, Y. (1957)		5072	Education (1959)		4980
Hope, E.R. (1959)		4773	Jara, Z. (1957)		5093
Hope, J.A., Jr. (1958)		5273	Jara, Z. (1959)		4989
Hopkins, S.H. (1957)		5263	Jenkins, M.M. (1959)		4791
Horton, P.A. (1958)		5256	Jenkins, R.M. (1957)		5158
Hotta, H., T. Abe			Jenkins, R.M. (1958)		5152
& Y. Takashima (1958)		5396	Jennings, F.D. (1959)		5112
Houot, C. (1958)		5141	Jens, G. (1958)		5586
Hughes, G.M. (1958)		5509	Jitariu, P. & al. (1957)		5094
Hughes, G.M. &			Johansson, J. (1957)		4965
G. Skelton (1958)		5530	John, C.M. (1957)		4966
Hulings, H.C. (1958)		5276	Johnson, F.H. (1958)		5091
Hulot, A.L. (1957)		5062	Johnson, F.H. (1959)		4784
Humes, A.-G. (1957)		5666	Johnson, H.C. (1959)		4700
Hunt, J.N. (1959)		4779	Jones, F.R.H. (1958)		5421
Hunter, W.R. (1958)		5498	Jones, J.W. (1959)		4991
Huokuna, K. (1959)		4921	Jones, N.S. &		
Hurley, D.E. (1957)		5406	W.D. Burbank (1959)		4792
Hurley, D.E. (1959)		4945	Jones, W.E. (1957)		4963
Husson, R. &			Jonklaas, R. (1958)		5647
H. Schorr (1957)		5667	Jónsson, J. (1958)		5632
Hutton, R.F. (1959)		5360	Jónsson, J. (1959)		5122
Hylton-Scott, M.I. (1957)		5013	Jónsson, S. (1957)		4586
Hynes, H.B.N. (1958)	5479	5490	Jordaan, J.M., Jr. (1959)		4949
Hynes, H.B.N. &			Judd, W.W. (1958)		5017
W.L. Nicholas (1958)		5510	Julien, A. &		
			J. Ripplinger (1957)		5096
Ichiye, T. (1958)	4600	4604	Julien, A., J. Ripplinger		
Ichiye, T. (1959)	4954	4957	& R. Moreau (1957)		5095
Igarashi, H. (1959)	4892	4893			
Iitaka, Y. (1958)		4869	Kabata, Z. (1957)		4968
India, Ministry of Food			Kabata, Z. (1958)		4961
& Agriculture (1958)		5593	Kaj, J. (1958)		5032
India, Ministry of Food			Kajosaari, H. (1959)		4922
& Agriculture (1958?)		5602	Kanaev, V.F. (1959)		4852
Inger, R.F. &			Kandler, O. &		
C.P. Kong (1959)		4992	C. Sironval (1959)		4641



Kaneko, M. (1958)	4879
Karaman, St.L. (1957)	5033
Kartha, T.D.K. (1957)	5661
Kasumović, M. (1958)	5027
Katada, M. (1959)	4893
Katada, M., K. Zama & H. Igarashi (1959)	4892
Kawamoto, N.Y. (1958)	4510
Kawamoto, T. (1958)	4598
Keenleyside, M.H.A. (1958)	5419
Keenleyside, M.H.A. (1959)	4550
Keiz, G. (1958)	5342 5673
Keiz, G. (1959)	5328
Kent River Board (1959)	4983
Kesteven, G.L. (1958)	5420 5422
	5424 5428
	4528 4529
Ketchum, B.H. (1957)	4693
Ketchum, B.H. & al. (1958)	5326
Khvan, A.P. (1959)	4901
Kikuchi, R. (1959)	4877
Kikuchi, T. & al. (1958)	5481 to
Kimmins, D.E. (1958)	5485
	4776
King, G.C. (1959)	5124
Kirillov, A.A. (1958)	5379
Kitajima, T. (1959)	5026
Klak, S. (1958)	
Klawe, W.L. & B.M. Shimada (1959)	5364
Kleinholz, L.H. (1959)	4793
Kobayashi, S. & M. Mogami (1958)	5135
Kobayashi, H. (1959)	4886
Kojima, Y. (1957)	4964
Kolb, E. (1958)	5342
Kong, C.P. (1959)	4992
Konishi, J. (1958)	5097
Kornberg, H.L. (1957)	4999
Korovin, Iu.M. (1959)	4855
Koschin, N.I. (1957)	5034
Kovaleva, I.D. (1959)	4858
Kovalskii, V.V. & S.V. Letunova (1959)	5321
Kozarov, G. (1958)	5375
Krause, H.R. (1959)	5365
Krcal, J. (1957)	5070
Krebs, H.A. & H.L. Kornberg (1957)	4999
Krey, J. (1958)	4669
Krey, J. & al. (1958)	4665
Krumholz, L.A. & R.F. Foster (1957)	4532
Krumholz, L.A., E.D. Goldberg & H. Boroughs (1957)	4531
Kubicek, F. (1958)	4978
Kubicek, F. (1959)	4994

Kuehl, D.W. (1959)	4917
Kühl, H. (1957)	5371
Kühl, H. (1958)	5571
Kuehn, J.H. & D. Lovelien (1959)	4547
Kumar, R. (1959)	4937
Kunkle, D.E. (1958)	5200
Kux, Z. (1957)	5039
Kux, Z. & T. Weisz (1958)	5039
Lamb, C.A., O.G. Bentley & J.M. Beattie (1958)	517
Lambert, J.G. (1958)	5037
Lamotte, M., J.-L. Perret & S. Dzieduszycka (1959)	4621
Lane, C.E. (1959)	4831
Lanjouw, J. & F.A. Stafleu (1959)	4976
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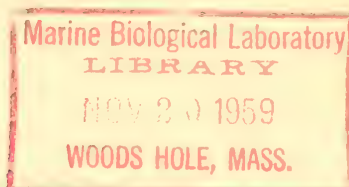


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Containing: taxonomic index 2(6), geographic index 2(6), references and  
author index to, 59-5677 - 59-6612

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[2.1(2)]





## Errata

Please delete numbers:

59-3379, 59-3658 and 59-4186

580016	houie	should read	houle
59-2213-14	Muromcev	" "	Muromtsev
59-2257	sdeiments	" "	sédiments

Please correct Errata

59-2471      Latineria chalumnae      should read Latimeria chalumnae

59-4961      Add in title: "rare" (VanbeneGenia kroyeri Malm, 1860: a rare  
parasitic copepod)

## Forward References

Check list, 59-5677 to 59-6612

59-5881	to	59-5878	59-5778	to	59-3229
59-5879	"	59-5878	59-5858	"	59-5856
59-6262	"	59-2477	59-5713	"	584261
59-5893	"	59-2307	59-5883	"	59-5878
59-6489	"	59-6488			
59-5880	"	59-5878			
59-5882	"	59-5878			
59-6486	"	59-6485			
59-6132	"	59-2632			
59-6484	"	59-6483			
59-5847	"	59-2477			
59-6225	"	59-6224			
59-6133	"	59-5479			
59-6139	"	581530			
59-6286	"	59-6285			
59-5823	"	59-5822			
59-6515	"	583430			
59-6141	"	583211			
59-6498	"	59-6497			
59-6500	"	59-6499			
59-6243	"	581478			
59-5821	"	59-3025			
59-5820	"	59-5795			
59-6516	"	570207			
59-6263	"	59-6262			
59-6140	"	585666			
59-5819	"	582527			
59-6223	"	583713			





## Explanatory Notes

### Accuracy and completeness of entries

Our attention has been drawn to errors of various kinds in the entries of this bibliography, with particular reference to issue 2(4), in which it will be seen a rather high proportion of rectangles have no initials in their bottom left-hand corners. As we explained early in the Notes to the first volume, this means that we have not seen the original paper, and the reference is taken from the accession list of another library, a booklist, or some other source.

Some such references are incomplete, inaccurate or bibliographically incorrect. Our policy is however to include whatever information is available to us (remember that this bibliography, like most library accession lists, is produced in the first place for our own use) while at the same time take what steps we can to increase the amount of literature we see at first hand, to verify - within the limits of time available for this purpose - secondhand information, and to encourage bibliographic improvements in other sources.

A particular problem arises in the case of collected reprints. Their general treatment is outlined in a following note. When however these are issued as a loose collection, the sets we receive may lack one or more reprints. In such cases it has happened that we pick up missing references (perhaps incomplete) some months later from the accession list of another library; we then make an entry even if it is only to the secondary reference. If, later, we find the primary reference we put in an addendum. Translations of which the original reference is not, or incompletely, known are treated in the same way.

Librarians who issue accession lists which we search, can help us make this bibliography comprehensive and accurate by including in those lists the original references to collected reprints and indexes they receive. Publishers and editors of periodicals can help by sending us copies of page proofs (as do Botanica Marina, announced in this issue) or reprints; by giving, when they publish English summaries of papers in other languages, the title of the paper also in English; by following ISO bibliographic recommendation for format, and in many other ways.

### Treatment of publications not seen by FAO

1. References will be given to all relevant papers coming to our notice, whatever the source of information. They will be indexed as completely as the available information permits.
2. Some references are taken from periodicals which publish informative abstracts. In these cases our annotation will, where necessary, be drafted from the published abstract; the citation of the abstract will precede our annotation. For these citations code letters are given for the title of the publication, as follows, and the abstract number within it:

Bibliography of South West Africa	BSWA
Biological Abstracts	BA
Chemical Abstracts	CA
Commercial Fisheries Abstracts	CFA
GeoScience Abstracts	GA
Helminthological Abstracts	HA
Journal of Animal Ecology (Abstracts)	JAE
Psychological Abstracts	PA
Sport Fisheries Abstracts (all references are entered)	SFA
Tropical Abstracts (by special arrangement we receive proof copy of relevant abstracts)	TA
Water Pollution Abstracts	WPA
Wildlife Review	WR
World Fisheries Abstracts	WFA
Zoological Record (not abstracts, but analytical index)	ZR

3. Some references are taken from other bibliographies, library accessions, publishers', and booksellers' lists etc. In these cases the reference is given where possible in our standard form. If this is not possible - because for example a periodical title is given in an incomplete form which we cannot identify - the citation is followed by a question mark given in inverted commas. Such references can be identified by the absence of initials in the bottom left-hand corner of the rectangle /the printed version will have the words "Orig.not seen" as annotation/.

Treatment of collected reprints, double citations, and books  
containing chapters by different authors

1. Publications contained in volumes of collected reprints are, if they have not previously been indexed, normally cited accordingly to the original reference. When this is not possible, because the original reference is not given fully on the reprinted papers, the citation is made according to the form: Coll.Repr. /name of organization/, volume, number or year (no. of Repr.).

When both citations are printed on a document, reference to which has not previously been entered, the secondary citation is quoted in parentheses, at the end of the annotation. References are made to whole volumes of collected reprints, the "author" being the name of the distributing organization; the annotation is in the form "Comprises reprints of" (abbreviated as "Comp.rp.") or "Includes reprints of" ("Incl.rp.") followed by our serial number of the individual papers, including both those previously entered and those to be entered. The forward reference numbers to be written on the original entry should be preceded by the letters "rp". These cross-reference numbers will be followed by a question mark when it is for some reason not certain that the texts of the two papers having different citations but the same authors and titles are in fact identical. When, because we do not have the original paper, and another accession list cites only a secondary reference, we have to enter the latter, we shall include in Addenda any primary citations found subsequently (An example is given in this issue, addendum for 59-2629).

2. Books with chapters by various authors are annotated as a whole and indexed under the name of the editor. A particular chapter may be annotated separately; it is then indexed under the name of its author and the year of publication of the book. The rest of the citation of the chapter consists of the word "In", followed by the serial number of the reference to the whole book, followed in turn by a colon and the first and last page numbers of the chapter. If, for some reason, the whole book has not been seen and cannot be properly indexed, a complete reference to the book is given instead of the serial number. Thus sometimes such chapters are reprinted and distributed separately or within volumes of collected reprints, and in such cases often do not bear the complete reference to the book from which they are extracted. In certain cases chapters within such books are themselves reprints of previously published documents; this is indicated within the annotation to the chapter by the phrase:  
"Repr. of (serial no. or original citation if published in 1956 of earlier and not included in Bibliographia Oceanographica for the year in question)."

#### Treatment of translations

1. Ad hoc translations of individual articles
  - (a) The original is indexed and annotated in the usual way (even if the annotation has been made from a scrutiny of the translation). In the reference, the English translation of the title is, if possible, the same as the version given on the translation of the whole where the latter is also in English.
  - (b) The translation is indexed separately, the "author" being the original author, followed by "(Transl.(name of translator) )"; the reference is the original one; the annotation is: (language symbol) transl. (or "summ.transl.", or "part.transl.") of (serial number of original, or reference if published before 1957); available from . . . .".



2. Regular translations of whole periodicals (e.g. Doklady Akademi Nauk - C.R.Acad.Sci.U.R.S.S.)

Usually publisher is different from the original publisher.

- (a) Original treated as under 1(a)
- (b) Translation is indexed separately, but the "author" is the original author of the paper. The short form of title for the translated periodical is the same as that for the original, followed by:  
((language symbol) transl.).  
This rule applies also to 3 below.

3. Documents issued by a single publisher - usually an international organization or the government of a multilingual state - in two or more language versions

Such documents may be issued within one cover, or as separate fascicules. In the former case the paper is indexed once only, the title being given in all the languages in the order in which they appear on the publication, followed by the English translation of the title when English is not one of the languages of the text. In the latter case the fascicules may have different years of publication and even different citations. Therefore all versions are indexed separately. When all versions are issued simultaneously, the version annotated is the original version, if that is known, or the version in the language highest in the order of priority, given in earlier Explanatory Notes (1(2)). When different versions are issued at different times, the first one received is annotated, if this is convenient. The annotation for other versions is:  
(language symbol) version of (serial number, or citation if first version was published earlier than 1957).

Treatment of whole issues of serial publications

Name of publisher (instead of "author")      Date  
Reference in normal form (short title, volume, number, pages where appropriate)  
No title is given

Annotation.

Example in this issue is 59-5679.

Entry of theses

- 1. References are given to theses and dissertations accepted by Universities for higher degrees which deal with subjects within the general scope of the Current Bibliography.
- 2. The date of publication is the calendar year of ending of the academic year during which the thesis was accepted.

3. Theses are indexed as far as possible according to information conveyed by their titles. If summaries (abstracts or annotations) are available they are used to make annotations. When informative abstracts are published, the reference to their location is given in the annotation.

Inclusion and treatment of references to films, filmstrips, patents and meeting documents

As from this issue, references to material in the above categories will be covered by this Current Bibliography. We cannot attempt a comprehensive search for them but as we find relevant information it will be made available.

Mimeographed documents considered at meetings will be treated generally as publications. Those bearing notes to the effect that their contents are not to be cited without prior permission from the author or organization concerned will be indicated as such.

Documents drafted by the secretariat of an organization are indexed under the name of the organization, using the accepted initials of the organization when this is appropriate (see Explanatory Notes in 2(3)).

Films will be indexed under the name of the author, where that is known, preceded by the word "Film". When available, the following information will be given, in this order:

date of issue; M, F or G; address (town) and name of distributor; title; translation of title (where necessary); length and/or duration; width; colour or black and white; silent or sound; annotation.

References to films of general fisheries interest are brought together in the list revised and distributed each year by FAO Fisheries Division Technology Branch, which should also be consulted.

Filmstrips will be treated as films, except that author's name will be preceded by the word "Filmstrip" and the number of frames will be cited instead of the length or duration.

Patents will be indexed under the name of the owner, preceded by the word "Patent". The citation will consist of the date of issue, the name of country and the patent number; this is followed by the title of the patent and a short description of it.

Films, filmstrips and patents will be listed at the end of the monthly author indexes. Examples of references to them are given in this issue as 59-5859.

A new periodical -- "Botanica Marina"  
(short title: Bot.mar.)

We are informed by Studiengesellschaft zur Erforschung von Meeresalgen e.V. that they will shortly be issuing this new international journal, which will publish original papers on ecology, botany, chemistry, physiology, planktonic algae, seaweeds and seaweed products technology. Contributions will appear in German, English or French, with summaries in the other two languages. There will be editorial comment and reviews of technical books and other significant works dealing with the subjects mentioned.

Publication of this journal follows a recommendation of the Third International Seaweed Symposium. Eighteen scientists from 11 countries form the Editorial Committee, the Chairman of which is Professor Dr. Tore Levring. The Editorial Office is at Studiengesellschaft zur Erforschung von Meeresalgen e.V., Hamburg, and the subscription is DM28 per annum, excluding postage. A volume will consist of four issues, each of 32 pages, 17 x 24.5 cm single copies will cost DM7 each. It is intended to devote a special issue once each year to technological and industrial problems.

"Botanica Marina" will be indexed completely in the "Current Bibliography for Aquatic Sciences and Fisheries". The first issue has now been published and is annotated here in 59-6601 to 59-6605.

Addenda

Original citations of the following numbers could be added:

59-2629	<u>Proc.Linn.Soc.Lond.</u> , 167:165-71
59-2630	<u>Proc.Linn.Soc.Lond.</u> , 167:172-5
59-2631	<u>Proc.zool.Soc.Lond.</u> , 129:1-25
59-2632	<u>Sci.Publ.Freshw.biol.Ass.</u> , (5):55 p.
59-2672	<u>Proc.R.Irish Acad.</u> , 59B(6):71-91



Robins, C.R. (1959) 59-5677

Breviora, (104):7 p.

Studies on fishes of the family  
Ophidiidae - III. A new species of  
Lepophidium from Barbados

Diagnosis & description of Lepophidium  
kallion sp. nov. (Issued as: Contr.Mar.  
Lab.Univ.Miami, (221) ).

FAO:hr

M

Harrison, M. (1958) 59-5680

Res.Rep.David Taylor Mod.Basin,  
Hydromech.Lab., (1260)

Pressure fluctuation on the wall  
adjacent to a turbulent boundary  
layer

G

Cumberbatch, E. (1958) 59-5678

J.Fluid Mech., 4(5):466-78

Two-dimensional planing at high Froude  
number.

G

Paquette, R.G. (1959) 59-5681

Tech.Rep.Dep.Oceanogr.Univ.Wash., (61)  
Suppl.(1)

A modification of the Wenner-Smith-  
Soule salinity bridge for the  
determination of salinity in sea  
water

M

U.S. Department of Commerce, 59-5679

Coast & Geodetic Survey (1958)

Seism.Bull., U.S., MSI-215, Nov. 1958

M

U.S. Department of the 59-5682

Interior, Fish & Wildlife  
Service (1959)

Washington

Monthly charts of sea surface  
temperature in the N.E. Pacific for  
the period January, 1957-March, 1959

M

Fleming, R.H. & al. (1959) 59-5683  
Spec. Rep. Dep. Oceanogr. Univ. Wash., (30)  
 Physical and chemical data, North  
 Pacific ocean BROWN BEAR cruise 199  
 July-August, 1958 for the I.G.Y. of  
 1957-58

Tuffrau, H. (1959) 59-5686  
C.R. Acad. Sci., Paris, 248:3055-7  
 Polymorphisme par anisotomie chez le  
 cilié Euplotes balteatus (Dujardin)  
 (Polymorphism by anisotomy in the  
 ciliate Euplotes balteatus Dujardin)

Account of the appearance of giant  
 individuals in the presence of the  
 ciliate Philaster digitiformis Fabre-  
 Domergue on which they feed, & of the  
 morphological changes in the buccal  
 apparatus to permit ingestion of this  
 prey.

I

FAO:glk

MF

Patterson, A.M. (1957) 59-5684  
Tech. Mem. Pacif. nav. Lab., (57-2)  
 Development of hot wire instrument for  
 ocean turbulence measurements

Cresp, J. (1959) 59-5687  
C.R. Acad. Sci., Paris, 248:3358-60  
 L'hétéromorphose polaire chez  
 l'annélide Salmacina incrustans (Clap.)  
 (Polar heteromorphosis in the annelid  
Salmacina incrustans Clap.)

Regeneration & experiments with this  
 serpulid worm; comparison of results  
 with those for Myxicola.

II

FAO:sjh

M

Nourisson, M. (1959) 59-5685  
C.R. Acad. Sci., Paris, 248:3052-4  
 Evolution d'une mare temporaire de  
 haute altitude à Chirocephalus stagnalis  
 Shaw (Crustacé phyllopoде)  
 (Evolution of a temporary, high-altitude  
 pond with Chirocephalus stagnalis Shaw,  
 phyllopod crustacean)

Account of the changes in physical &  
 chemical features of a pond fed from  
 snow & which dries completely in summer;  
 & of the development of & changes in the  
 population during the short life of the  
 pond.

FAO:glk

F

Anonymous (1959) 59-5688  
Time, 74(1):34-45  
 Science - Ocean frontier

A popular article, profusely ill. -  
 colour & black & white - describing  
 research projects, results &  
 problems in fields & physical  
 oceanography & marine biology, with  
 particular reference to activities  
 of oceanographic institutions of  
 Scripps & Woods Hole.

SJH:sjh

M

Fukuda, H. (1958) 59-5689  
Bull.Jap.soc.sci.Fish., 23:782-4  
(On the blood suger of fresh water fish).  
Ni En

Differences in blood sugar of spp. of  
Oncorhynchus, Salmo, Moroco, Leuciscus,  
Cyprinus, Carassius, Anguilla,  
Misgurnus & Parasilurus, related to  
differences in activity & environment.

SJH:sjh

MF

Anonymous (1959) 59-5692  
Discovery, 20:183-97  
The progress of science in Israel

General account of university &  
other research institutions in Israel  
& of the place of research in the  
development of that country's  
economy, incl. the management of  
swamps & research on freshwater fish,  
draining of L. Hula.

FAO:glk

MF

Suyama, M. & 59-5690  
C. Ogino (1958)  
Bull.Jap.Soc.sci.Fish., 23:785-8  
(Changes in chemical compositions  
during development of rainbow trout  
eggs). Ni En

Trends, in Salmo irideus of pH, water,  
nitrogen, ether extractives, ash,  
lipids, phosphorus.

SJH:sjh

F

Anonymous (1959) 59-5693  
Discovery, 20:234  
Alexander von Humboldt (1769-1859)

Brief biographical note on the  
anniversary of the death of this  
geographer & oceanographer.

FAO:glk

M

Suyama, M. (1958) 59-5691  
Bull.Jap.Soc.sci.Fish., 23:789-92  
(Changes in the amino acid composition  
of protein during the development of  
rainbow trout eggs). Ni En

Chromatographic analysis of Salmo  
irideus eggs.

SJH:sjh

F

Sanford, F.B. (1958) 59-5694  
Fish.Leafl., U.S., (447):33 p.  
Planning your research paper

The 1st section deals with preliminary  
steps in planning - such as out-  
lining, choosing headings, & making  
tables. The 2nd section deals with  
the various parts of the research  
paper: title, abstract, table of  
contents, introduction,  
acknowledgment, procedure, results  
& discussion, conclusions, summary  
& literature cited.

FAO:cfa

G



Rajagopal, M.V. & K. Sohoni (1957) 59-5695  
Biochem.J., 65:34-6  
 Studies on the sea anemone Gyrostoma  
sp. lipids of Gyrostoma sp.

The concentrations of cerebrosides, free & total cholesterol, total phospholipid, lecithin & sphingomyelin have been determined in the whole anemone, Gyrostoma sp., as well as in its mesenteries, gonads & tentacles.

icfa

Gordon, B.L. (1958) 59-5698  
Maine Cst Fisherm., 12:10  
 The sturgeon

Short review of the life histories of Acipenser sturio & A. brevirostris, & description of caviar & isinglass & their processing.

tl

MF

Anonymous (1958) 59-5696  
West.Fish., 55:11, 40  
 Synthetic fibers make knotless nets possible

Description of the special features of knotless nets & the method of manufacturing knotless nets.

tl

MF

Schantz, E.J. & al. (1958) 59-5699  
J.Ass.off.agric.Chem.Wash., 41:160-8  
 Purified shellfish poison for bioassay standardization

Description of a procedure for the bioassay of paralytic shellfish poison & comparison of methods for shellfish poison determination.

tl

M

Anonymous (1958) 59-5697  
FAO New Release, Fish.Div., Rome  
 Tunisian government plan to increase fish catch and save £ 1000 a night

Short description of present fishery practices in Tunisia & suggestions for future improvements.

tl

M

Hardy, A.C. (1958) 59-5700  
Fish.Gaz., 75:58  
 Controllable-pitch propellers and their many advantages

Description of the propellers, their functioning & advantages.

tl

M

Phillips, J. (1958) 59-5701  
World Fish., 7:60, 63, 64, 67  
The mouth of the trawl

Description of the factors influencing the shape of the mouth of the trawl & suggestions for handling of the trawl to achieve optimum performance.

FAO:tl

M

Ambe, K.S. & 59-5704  
K. Schonie (1957)  
Indian J.Fish., 4(1):113  
Fish proteins - nutritive value

The isolation of proteins from shark & skate muscle has been effected & the proteins compared with a standard protein-like casein.

FAO:cfa

M

Anonymous (1958) 59-5702  
World Fish., 7:36-7  
Will it be worthwhile to build future fishing craft in plastic?

Review of the present practices & future possibilities to use plastic for construction of fishing crafts.

FAO:tl

MF

Mužinić, R. (1958) 59-5705  
Acta adriat., 8(10):1-19  
Prilog izučavanju odnosa srdele (Sardina pilchardus Walb.) i njezine sredine (A contribution to the investigation of the relation of sardine, Sardina pilchardus Walb., to the environment)

Biometrical & ecological observations on sardines in the Mid-Dalmatian area were made to explain the size distribution of the fish & its changes.

FAO:mz

M

Anonymous (1958) 59-5703  
Nat.Fisherm., 39:9-10, 31  
Electrical fishing gear has good potential

Description of the effects of electric current on fish.

:tl

MF

Mužinić, R. (1958) 59-5706  
Acta adriat., 8(11):1-7  
Preliminarna opažanja o srdeli (Sardina pilchardus Walb.) sa zapadne obale Istre (Preliminary observations on sardine, Sardina pilchardus Walb., from the west coast of Istra)

Length, age, sex, & maturity stages distribution. Hypothesis concerning the existence of several stocks of sardine in the Eastern Adriatic is put forward.

FAO:mz

M

<p>Ahlstrom, E.H. &amp; R.C. Counts (1958)  <u>Fish.Bull., U.S., (139):365-416</u>  Development and distribution of <u>Vinciguerria lucetia</u> and related species in the Eastern Pacific</p> <p>Morphological development from embryo to adult of this abundant pelagic fish in Eastern N. Pacific is ill. &amp; described. Characters for distinguishing it from <u>V. nimbaria</u> &amp; <u>V. poweriae</u>.  Morphometric analysis.</p> <p>FAO:sjh M</p>	<p>Anonymous (1958) 59-5710  <u>Progr.Fish-Cult., 20:110</u>  Vitality and survival of rainbow trout fed the standard and the pellet diet</p> <p>Note on experiments - May 1957 - May 1958 - in stream, pond &amp; starvation conditions.</p> <p>HR:sjh F</p>
<p>Pillay, T.V.R. (1958) 59-5708  <u>Progr.Fish-Cult., 20:99-103</u>  Land reclamation and fish culture in the deltaic areas of West Bengal, India</p> <p>Describes the fisheries for <u>Mugil</u>, <u>Lates</u>, <u>Mystus</u>, <u>Penaeus</u>, <u>Metapenaeus</u> &amp; <u>Leander</u> spp. Refers to fish culture in rice paddy.</p> <p>HR:sjh MF</p>	<p>DeLong, D.C., J.E. Halver &amp; W.T. Yasutake (1958) 59-5711  <u>Progr.Fish-Cult., 20:111-3</u>  A possible cause of "sunburn" in fish</p> <p>Feeding experiments with <u>Oncorhynchus tshawytscha</u> show niacin deficiency related to photosensitivity as indicated by occurrence of sunlight induced dermatitis very similar to pellagra in man.</p> <p>HR:sjh MF</p>
<p>Meister, A.L. &amp; C.F. Ritzi (1958) 59-5709  <u>Progr.Fish-Cult., 20:104-10</u>  Effects of chlorethane and M.S. 222 on eastern brook trout</p> <p>Laboratory comparisons, conducted in spring, 1957, of effects of these 2 anesthetics on yearling <u>Salvelinus fontinalis</u>; to determine practical concentrations for field use, study effect of temperature &amp; delayed mortality.</p> <p>HR:sjh F</p>	<p>Phillips, A.M., Jr. (1958) 59-5712  <u>Progr.Fish-Cult., 20:114-6</u>  The organic composition of brook and brown trout blood</p> <p>Contents as per title. Table gives nitrogen breakdown, proteins, acids &amp; esters; study of whole blood, serum, &amp; plasma, using Lumetron Photoelectric Colorimeter.</p> <p>HR:sjh F</p>



Anonymous (1958) 59-5713  
Progr.Fish-Cult., 20:116  
Experimental feeding of a pelleted  
trout food to large fingerling and  
yearling brook, brown, and rainbow  
trout, 1955-1956

Correction to 584261.

HR:sjh

Combs, B.D. & 59-5716  
R.E. Burrows (1958)  
Progr.Fish-Cult., 20:124-8  
An evaluation of bound diets

Feeding trials on utilization of diet  
by Oncorhynchus tshawytscha; a photo-  
colorimetric method of measuring the  
maximum binding ability of various  
binding agents has been developed &  
the method applied in the development  
of bound diets.

HR:sjh

Tompkins, W.A. & 59-5714  
J.W. Mullan (1958)  
Progr.Fish-Cult., 20:117-23  
Selective poisoning as a management  
tool in stratified trout ponds in  
Massachusetts

Rotenone experiments in Cliff Pond,  
Cape Cod, with brown & rainbow trouts,  
yellow perch, brown bullheads & other  
fishes.

HR:sjh

Anonymous (1958) 59-5717  
Progr.Fish-Cult., 20:128  
Urethane and cancer

Editorial note on use of carcinogens  
in fisheries research; their effect  
on the first & the research workers.  
Refers to E.M. Wood, 1956, Progr.Fish-  
Cult., 18(3):135-6.

HR:sjh

Chance, C.J. & 59-5715  
O.F. Haslbauer (1958)  
Progr.Fish-Cult., 20:123  
Easy-to-operate gill nets

A special design of nylon net for  
experimental use from outboard motor-  
boats.

HR:sjh

Hublou, W.F. (1958) 59-5718  
Progr.Fish-Cult., 20:129-32  
The use of malachite green to  
control Trichodina

Experiments on control of this  
peritrichous ciliate found to be  
infecting Salmo g. gairdneri at  
Bonneville hatchery, Oregon.

HR:sjh

Anonymous (1958) 59-5719  
Progr.Fish-Cult., 20:132'  
/A note/

For use in studies on the estuarine phase of the life cycles of Penaeus setiferus & P. aztecus, a pushnet has been designed to yield quantitative samples while being operated by one man in stiff, rooted vegetation in depths of 3 to 18 inches.

HR:a

MF

Fleener, G.G. (1958) 59-5722  
Progr.Fish-Cult., 20:140-2  
A method for marking fish with an electrical burning device

Ill. description of instrument & its use for removal of fins of small mouth bass. Fin regeneration is eliminated.

HR:sjh

FG

Snieszko, S.F. (1958) 59-5720  
Progr.Fish-Cult., 20:133-6  
Natural resistance and susceptibility to infections

Outlines briefly the stages in the development of research on natural resistance to infectious diseases, with reference to their study in fresh-water fishes. Particular reference to susceptibility of Salvelinus fontinalis strains to furunculosis & ulcers; isolation of Aeromonas liquefaciens as causative agent of dropsy in carp & other fishes. Bibliography.

HR:sjh

FG

Posgay, J.A. (1958) 59-5723  
Progr.Fish-Cult., 20:142  
A recording-measuring board

Ill. description of a board designed for measuring Placopecten in which the number of shells in each size group are counted by manual operation of a bank of counters.

HR:sjh

MG

Fromm, P.O. (1958) 59-5721  
Progr.Fish-Cult., 20:137-9  
A method for measuring the oxygen consumption of fish

Ill. description of apparatus & its use. Tests with Micropterus salmoides; effect on oxygen consumption of this fish of potassium chromate.

HR:sjh

FG

Burrows, R.E. & 59-5724  
B.D. Combs (1958)  
Progr.Fish-Cult., 20:143-4  
Lignasan as bactericide and algacide

Experiments with ethyl mercury phosphate to cure bacterial gill disease of Oncorhynchus tshawytscha.

HR:sjh

MF

FischBeck, K. (1958) 59-5725  
Chim. & Industr., 79:563-78  
Demineralization of sea water

Describes methods for the demineralization of sea water, incl. evaporation, crystallization, liquid-liquid extraction, ion exchange, electrodialysis, & osmosis. Technical & economic aspects of the various methods are considered, & a bibliography of 39 references is appended.

:wpa

K

Lister, B.A.J. (1958) 59-5728  
Surveyor, Lond., 117:497-9  
Safe disposal of waste from atomic energy establishments

The factors to be considered in assessing the amount of radioactivity which may be safely discharged to a river are discussed with particular reference to the use of the water for drinking purposes; the effect of biological concentration in aquatic vegetation, in soils, & in fish; the removal of activity by biological organisms; & the use of the river for

MacLeod, R.A., H. Hogenkamp 59-5726  
& E. Onofrey (1958)  
J. Bact., 75:460-6  
Nutrition and metabolism of marine bacteria - VII. Growth response of a marine Flavobacterium to surface-active agents and nucleotides

Account of the development of a chemically-defined medium suitable for the growth of a Flavobacterium, isolated from sea water.

:tl

K

59-5728  
(Card 2)  
recreational, agricultural & industrial purposes.

wpa

F

Drobek, W. (1958) 59-5737  
Städtehygiene, 9:6-7  
Necessary means for the protection of water supplies in the development of the atomic industry

Quotation of the requirements for the safety limits for the content of radioactive isotopes in water, the choice of sites of atomic plants & methods of disposal of radioactive wastes.

:tl

F

Dieterich, B. (1958) 59-5730  
Städtehygiene, 9:10-1  
Production, properties, re-use and treatment of radioactive waste waters

A brief summary of the sources, types, & properties of radioactive waste waters. Evaporation, storage, adsorption in clay, & if the exchange properties of the soil are suitable, underground seepage, are among methods which have been used.

:wpa

MF



Ophel, I.L. (1957) 59-5731  
Atom. Energy Canad. Ltd., No. 450, 4 p.  
The disposal of radioactive wastes

The problem of the treatment & disposal of radioactive waste waters is discussed briefly, with reference to the methods used at the Chalk river, Ontario, plant of Atomic Energy of Canada, Ltd.

swpa

F

Kahn, B. & 59-5734  
S.A. Reynolds (1958)  
J. Amer. Wat. Wks. Ass., 50 313-20  
Determination of radionuclides in low concentrations in water

Methods are described for the concentration of water samples to determine low concentrations of radioactive zirconium, niobium, strontium, ruthenium, & iodine; & a gamma spectrometric technique is also described for determining radionuclides in water.

wpa

F

Setter, L.R. & 59-5732  
H.H. Russell (1958)  
J. Amer. Wat. Wks. Ass., 50-590-602  
Chemical coagulation studies on removal of radioactivity in waters

Laboratory jar tests were carried out on the use of chemical coagulants to remove radioactive material from rain water, cistern water, surface waters, rain water which had leached through soils, & extracts of an alkaline soil contaminated with nuclear bomb debris.

swpa

F

Hagee, G.R., A.S. Goldin & 59-5735  
C.P. Straub (1958)  
J. Amer. Wat. Wks. Ass., 50 621-7  
Use of the gamma spectrometer in the identification of radionuclides in water

The principles of gamma scintillation spectrometry for the identification of radionuclides are explained & instruments are described for obtaining the full spectrum with peaks at the characteristic gamma energies of the radionuclides.

swpa

F

Lefevre, M. (1958) 59-5733  
Hydrobiologia, 12:55-72  
Contribution to the knowledge of bacteria in stagnant water and their role in hydrobiology

Investigations on the numbers of bacteria occurring in different types of ponds at different seasons of the year.

FAO: wpa

F

Chancellor, A.P. (1958) 59-5736  
London, H.M.S.O., 20 p.  
The control of aquatic weeds and algae

A general survey is given of methods of biological, mechanical, & chemical control in relation to the type of weed. The use & toxicity to fish, livestock, & man, of the chemicals are discussed.

FAO: wpa

F

Riddick, T.M. (1958) 59-5737  
Proc.Amer.Soc.civ.Engrs, 84(1703):21 p.  
Forced circulation of large bodies of water

An ill. description is given of a floating aerator which has been in operation in the impounding reservoir at Ossining, N.Y., since June 1956.

wp

F

Nelson, C.T. & 59-5740  
R.L. Koontz (1957)  
Proc.Hlth phys.Soc., 1957:159-64  
Automatic water sampling device

An automatic sampler for monitoring the radioactivity of water & waste waters, is described.

wp

F

Powell, S.T. (1958) 59-5738  
Engng News Rec., 161(5):44  
Low cost seen for desalting sea water

Compares the costs of solar distillation, electrodialysis, freezing & distillation for demineralization of sea water.

wp

M

Silker, B.W. (1957) 59-5741  
Washington, D.C., 10 p.  
A continuous river sampling system and methods of radiochemical analyses for strontium-89, strontium-90, barium-140, and phosphorus-32

Equipment for continuous sampling to determine the amount of radioactivity in the Columbia river, Wash., has been described.

wp

F

Caspers, H. (1957) 59-5739  
Fischwirt, 7(11):281-6  
Biological investigations in Hamburg harbour

The results of investigations into the biology of Hamburg harbour are described & compared with those of earlier investigations.

wp

MF

Saddington, K. & 59-5742  
W.L. Templeton (1958)  
London, G.Newnes Ltd., 112 p.  
Disposal of radioactive waste

Attempts to indicate the overall problem of the disposal of radioactive waste waters, & to provide basic data for establishing safe limits of discharge, & describes methods which have been used successfully to deal with radioactive wastes.

wp

MF

Burns, R.H. (1958) 59-5743  
Paper presented at the Symp. on the  
Effects of Pollution on Living Material  
London, Sep. 1958

Disposal of radioactive wastes

Reviews methods for the treatment & disposal of liquid & solid radioactive wastes, with particular reference to the methods used at establishments of the Atomic Energy Authority.

:wpa

MF

Hynes, H.B.N. (1958) 59-5746  
Paper presented at the Symp. on the  
Effects of Pollution on Living  
Material, London, Sep. 1958

The biological effects of water pollution

Reviews the biological effects of pollution of lakes & rivers by toxic substances, inert suspended solids, organic matter, non-toxic salts, compounds which cause simple de-oxygenation of the water & heated discharges.

:wpa

F

Anonymous (1957) 59-5744  
Tech.de l'eau, 11(130):29-31  
Disposal of radioactive wastes

The different types of radioactive wastes, incl. gaseous, liquid & solid wastes, are discussed & methods of disposal are summarized. Future research in this field is outlined.

:wpa

G

Westlake, D.F. (1958) 59-5747  
Paper presented at the Symp. on the  
Effects of Pollution on Living  
Material, London, Sep. 1958

The effects of biological communities on conditions in polluted streams

Some effects of aquatic organisms on polluted streams are discussed briefly incl. the effect of large populations of bottom fauna & of macrophytic vegetation on the oxygen balance; the physical effects of plant growth such as a reduction in rate of flow &

Tarzwell, C.M. (1958) 59-5745  
Tech.Rep.Robert A.Taft sanit.Engng Cent.  
(W58-2)

Oxygen relationships in streams - 2.  
Dissolved oxygen requirements for fishes

Indicates the factors which must be taken into account when establishing dissolved oxygen criteria for fish & fish-food organisms, & reviews the work of various investigators on the effect of some of these factors. The need for supplementing laboratory experiments with field studies is stressed. A bibliography of 27 references is appended.

:wpa

F

59-5747  
(Card 2)  
increase in depth; & the accumulation of radioactive isotopes by plants.

:wpa

F



Newell, G.E. (1958) 59-5749  
Paper presented at the Symp. on the  
Effects of Pollution on Living Material,  
London, Sep. 1958

Pollution and the abundance of  
 animals in estuaries

Comparison of the effects of  
 pollution on fauna in estuaries &  
 in rivers & analysis of the  
 complexity of the problems in  
 estuary.

:wpa

MF

Anonymous (1958) 59-5752  
Fish. News, Bangkok, 11(1):1-4  
(Home aquaria). Thai

An ill.note in Thai.

SJH:tjj

F

Viet-Nam. Département 59-5750  
 de l'Education Nationale (1958)  
Saigon, 22 p.  
Institut Océanographique de Nha-Trang  
(Oceanographic Institute of Nhatrang)

Describes the site, installations,  
 organization laboratory facilities,  
 & activities, library, aquarium,  
 bureau of fishery studies & future  
 activities of the institute.

GLK:hr

M

Tongsanga, S. (1958) 59-5753  
Fish. News, Bangkok, 11(1):5-11  
(Hatching of the eggs of Giant  
Gourami). Thai En

Describes a battery of circular  
 tanks with controlled water system  
 eliminating the accumulation of oily  
 scum on water surface & thereby  
 raising survival rate from 50-60%  
 to about 86.6% of Osphronemus  
goramy.

SJH:tjj

F

ICSU (1958?) 59-5751  
London, 72 p.  
The year book 1957

Gives names of members & officers of  
 Council & its constituent unions &  
 committees & commissions - incl. IUGG/  
 IAPO - history of council, its  
 statutes & rules: representation at  
 international meeting. Report of  
 S-G & of treasurer; calendar of  
 activities & arrangements.

FiB:sjh

MG

Ngaorangsri, V. (1958) 59-5754  
Fish. News, Bangkok, 11(1):13-6  
(Shrimp in Song-Khla). Thai

SJH.

MF

Phasukavanich, C., G. Sand 59-5755  
& P. Tavaramusorn (1958)  
Fish. News, Bangkok, 11(1):17-31  
(Report on the survey of salted Pla-tu  
(Rastrelliger) marketing in Indonesia  
and Singapore). Thai

SJH:

M

Chindaprasert, V. (1958) 59-5758  
Fish. News, Bangkok, 11(1):43-53  
(Fish sauce - Nampla). Thai

SJH:

M

Panomsarn (1958) 59-5756  
Fish. News, Bangkok, 11(1):33-8  
(Otter). Thai

SJH:

F

Svetsirini, S. (1958) 59-5759  
Fish. News, Bangkok, 11(1):55-9  
(The meeting of the Fisheries  
Division of the ninth PSC). Thai

SJH:

MF

Sripejr, S. (1958) 59-5757  
Fish. News, Bangkok, 11(1):39-41  
(Purpose of fishing regulations).  
Thai

SJH:

MF

Suwanrat, K. (1958) 59-5760  
Fish. News, Bangkok, 11(1):65-78  
(Fisheries conservation of U.S.A.).  
Thai

SJH:

MF

Ekuru, P. (1958) 59-5761  
Fish.News, Bangkok, 11(1):79-88  
(Carp culture in paddy field). Thai

Anonymous (1958) 59-5764  
Fish.News, Bangkok, 11(1):107-10  
(Glossary in fisheries). Thai

Thai, common English & scientific names of 33 marine & 26 freshwater fishes & 21 aquatic animals of fishery value in Thailand.

SJH:

F

SJH:tjj

MF

Thiemmedh, J. (1958) 59-5762  
Fish.News, Bangkok, 11(1):89-102  
(Ichthyology). Thai

Sripaiboon, C. (1958) 59-5765  
Fish.News, Bangkok, 11(1):111-22  
(Shrimp farming cooperative in Chant-buri). Thai

SJH:

MF

SJH:

MF

Yorsangrat, W. (1958) 59-5763  
Fish.News, Bangkok, 11(1):103-6  
(Bacteria in fish boxes). Thai

Tongsanga, S. (1958) 59-5766  
Fish.News, Bangkok, 11(1):123-8  
(Common carps flew from Bangkok to spawn in Ceylon). Thai

SJH:

MF

SJH:

F



Thailand. Department of 59-5767  
 Fisheries. Statistics Section (1958)  
Fish. News, Bangkok, 11(1):129-32  
 (Fisheries statistics). Thai En

For July-September 1957, the quantities of snake-heads, catfish, Anabas, Notopterus, eel, carp & miscellaneous freshwater fish landed; fresh fish auctioned; whole salted fish products handled & average auction prices of fresh sea fish at the Bangkok wholesale market.

SJH:tjj

MF

Slobodkin, L.B. (1958) 59-5770  
Gen. Syst., 3:73-100  
 Formal properties of animal communities

An exploration of the procedure of evaluating order of magnitude of constants & analysis of properties of purely formal models over a wide range of possible constants, as contrasted with the precise evaluation of constants for particular situations.

GLW:sjh

G

von Bertalanffy, L. & 59-5768  
 A. Rapoport (Ed.) (1958)  
Ann Arbor, Univ. of Michigan, 259 p.  
 General systems - Yearbook of the Society for general systems research, vol. III

Annual report of the Secretary-Treasurer; list of members' names & addresses, incl. papers 59-5769 to 59-5775. In this volume, to commemorate Darwin Centennial Year, special attention is given to biology, particularly population dynamics.

GLK:sjh

G

Watt, K.E.F. (1958) 59-5771  
Gen. Syst., 3:100-21

The choice and solution of mathematical models for predicting and maximizing the yield of a fishery

Reprinted from: J. Fish. Res. Bd. Can., 13:613-45, 1956. The specific form of component terms & values of parameters must be derived in each instance through a combination of deduction & joint regression analysis. To solve models, catch-effort data must be weighted to avoid gross errors, all readable scales must be aged, & capture programs are necessary.  
 GLK:sjh MF

Margalef, D.R. (1958) 59-5769  
Gen. Syst., 3:36-71  
 Information theory in ecology

Essay on use of mathematics in ecology, specially information theory to describe mixed-heterogeneously distributed populations. Application to plankton distribution off Vigo, with a new method of charting heterogeneity of geographic distribution.

GLK:sjh

MG

Watt, K.E.F. (1958) 59-5772  
Gen. Syst., 3:122-47

Studies on population productivity - Three approaches to the optimum yield problem in populations of Tribolium confusum

Reprinted from: Ecol. Monogr., 25: 269-90, 1955. Incl. appraisal of theory for assessing yields from exploited populations, incl. fish stocks.

GLK:sjh

G

MacArthur, R. (1958) 59-5773  
Gen.Syst., 3:148-51  
Fluctuations of animal populations  
and a measure of community stability  
  
Reprinted from: Ecology, 36, 1955.

GLK:

G

Ireland. Laws, 59-5776  
Statutes etc. (1958)  
Dublin, Cahill & Co., Ltd., 19 p.  
Fisheries (amendment) Bill, 1957.  
En Ga

An act to amend & extend the  
fisheries acts, 1842 to 1956, in  
respect of certain matters, incl.  
the right to vote at elections of  
conservators for electoral divisions,  
fishing licences - incl. licences to  
take oysters from oyster fisheries -  
the licence duties payable  
thereon, to re-enact, with  
modifications, the salmon conservancy

Neyman, J., T. Park 59-5774  
& E.L. Scott (1958)  
Gen.Syst., 3:152-79  
Struggle for existence - The Tribolium  
model: biological and statistical  
aspects

Reprinted from: Proc. of the 3rd  
Berkeley Symp. on math.Statist.Probab.  
Univ. of California Press, 1955.

GLK:

G

59-5776  
(Card 2)  
fund act, 1954 & to provide for  
other related matters.

MF

MF

Neyman, J., E.L. Scott 59-5775  
& C.D. Shane (1958)  
Gen.Syst., 3:193-219  
Statistics of images of Galaxies with  
particular reference to clustering

Theory of aggregates of the kind  
encountered also in study of  
biological populations.

CLK:sjh

G

Anonymous (1959) 59-5778  
Industr.pesqu., 33(762):24-6  
Pesquerias y cooperacion internacional  
(Fisheries and international  
co-operation)

Spanish translation of 59-3229.

FAC:

MF

Seppovaara, O. (1959) 59-5779  
Monistett.julk., (6):7 p.  
 Über das Vorkommen der Reliktform des  
 Seelachses (Salmo salar L.m. relictus  
 Malmgr.) in einigen Binnengewässern  
 Finnlands - Vorläufige Mitteilung  
 (On the occurrence of relict form of  
 salmon, S. salar L.m. relictus Malmgr.,  
 in some inland waters of Finland -  
 Preliminary contribution)

Notes on the occurrence of landlocked  
 salmon in Finland & morphological  
 comparison of these with Salmo trutta  
S. salar.

GLK:tl

MF

Anonymous (1959) 59-5782  
Mondo d.Natura, (1):4-6  
Acanturidi (Acanthurids)

Article on Acanthuridae consisting of  
 synopsis of Acanthurus lineatus &  
Naso brevirostris under headings:  
 morphological & anatomical characters,  
 life cycle, ecology & distribution.

HR:hr

M

Szczepanik, E. (1958) 59-5780  
Rep.F.A.O.Train.Cent.Fish.Co-op., 2:  
 126 p.  
 Fishermen's co-operatives in the Indo-  
 Pacific region

Discussions of the functions of  
 middlemen & of cooperative societies  
 in fisheries, & detailed account of  
 fishermen's cooperatives in the Indo-  
 Pacific region, as revealed by a  
 questionnaire sent to all countries of  
 the region.

FiB:glk

MF

Anonymous (1959) 59-5783  
Mondo d.Natura, (1):14  
Acipenseriformi (Acipenseriformes)

Article on Acipenseridae & Poliodontidae  
 under headings: morphological &  
 anatomical characters, life cycle,  
 ecology, classification & distribution,  
 & importance to men.

HR:hr

MF

Motta, F. (Ed.) (1959) 59-5781  
Milan,  
Nel mondo della natura (The world  
 of nature)

A ten volume encyclopedia being issued  
 in 200 weekly fascicules. The early  
 volumes will deal with the animal  
 kingdom; later ones with plants,  
 minerals & geology. Alphabetic indexes  
 of spp. will be issued. Unsigned  
 articles, in alphabetic order, will be  
 cited separately in this bibliography  
 when appropriate. Ill. in black &  
 white & colour.

HR:sjh

MF

Anonymous (1959) 59-5784  
Mondo d.Natura, (2):38-40  
Aironi (Heron)

Article on Ardeidae, consisting of  
 synopsis of Ardea, Casmerodius,  
Pyrherodia, Demigretta, Egretta &  
Ardeola under headings: morphological  
 & anatomical characteristics, life  
 cycle, ecology, classification &  
 distribution & value to men.

HR:hr

F



Anonymous (1959) 59-5785  
Mondo d.Natura, (2):46  
Alborella. It

Article on Cyprinidae consisting of synopsis of Alburnus albidus & A. alburnus under headings: anatomical morphological characteristics, life cycle, ecology, classification & distribution & value to man.

HR:hr

F

Anonymous (1959) 59-5788  
Mondo d.Natura, (2):56-7  
Alligatore del Mississippi  
(Alligator from the Mississippi)

Article on Alligatoridae consisting of synopsis of Alligator mississippiensis under headings: morphological anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5786  
Mondo d.Natura, (2):46-7  
Albulidi (Albulids)

Article on Albulidae consisting of synopsis of Albula vulpes & A. conorhynchus under headings: morphological & anatomical characteristics, ecology, & relation to men.

HR:hr

MF

Anonymous (1959) 59-5789  
Mondo d.Natura, (2):57-9  
Alligatoridi (Alligatorids)

Article on Alligatoridae under headings: morphological & anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5787  
Mondo d.Natura, (2):56  
Alligatore della Cina (Alligators from China)

Article on Alligatoridae consisting of synopsis of Alligator sinensis under headings: morphological & anatomical characteristics, life cycle, distribution & value to men.

HR:hr

F

Anonymous (1959) 59-5790  
Mondo d.Natura, (2):64  
Alopidi (Alopids)

Article on Alopidae consisting of synopsis of Alopias vulpinus under headings: morphological & anatomical characteristics, life cycle, ecology, classification & distribution.

HR:hr

M

De Angelis, C. (1959) 59-5791  
G.Pesca, 9(5):3  
Osservazioni sulla zona mesoabissale  
 (Observations on the abyssal  
 zone)

Popular account of nature,  
 composition & distribution of the  
 abyssal fauna & methods of study.

GLK:glk

II

Ireland. Laws, 59-5794  
 Statutes, etc. (1957)  
Dublin, Cahill & Co., Ltd., 170 p.  
Fisheries (Consolidation) Bill, 1957.  
En Ga

Memorandum showing enactments proposed  
 to be repealed by the Fisheries  
 (Consolidation) Bill, 1957, & sections  
 of the Bill in which those  
 enactments are reproduced.

FiB:

MF

Montalban, H.R., G.J. Blanco 59-5792  
 & I.A. Ronquillo (1957)  
Contr.Publ.IPFC/C57/CP21, 16 p.  
Philippine fishes

Ill. popular bulletin listing  
 common spp., & giving notes on size,  
 habitat & habits. (issued as: Pop.Bull.  
Dep.Agric.nat.Resour., Philipp., (49),  
 undated).

GLK:glk

Tomiyaama, I., S. Abe 59-5795  
 & T. Tokioka (1959)  
Tokyo, Hokuryu-Kan, 480 p.  
(Encyclopaedia zoologica illustrated  
in colours). Ni

This volume incl. 1,020 spp. of fishes  
 (incl. 108 tropical spp.) & 135 spp.  
 of protochordate. The spp. incl.  
 not only those found in Japanese  
 waters but also foreign ones.

:ym

MF

Zürich. Fischerei und 59-5793  
 Jagdverwaltung (1958)  
Zürich, 44 p.  
Jahres-Bericht der Fischerei- und  
Jagdverwaltung des Kantons Zürich über  
das Geschäftsjahr 1957 (erweiterter  
Bericht) (Annual report of the  
 Fish and Game Administration of the  
 canton Zürich for the year 1957)

FiB:

F

Dickson, W. (1958) 59-5796  
World Fish., 7(7):3 p.  
How to match trawl size to engine  
power on inshore vessels

Gives an equation relating drag, mesh  
 size, number of meshes round mouth,  
 specific gravity of twine, runnage  
 of twine, & towing speed; ill. its  
 practical application to determine  
 correct net size in relation to  
 engine used.

FiB:sjh

M

Cuiabá. Departamento 59-5797  
 Estadual de Estatística (1957)  
 In "Dados Estatísticos do Estado:  
 Decênio 1946/55", Cuiabá, 1 p.  
 Produção de pescado no estado, segundo  
 as espécies no período 1947/1956  
 (Fish production in the state by  
 species during 1947/1956)

Table (kg) in the State of Mato Grosso.

F

France. Conseil Supérieur 59-5800  
 de la Pêche (1959)  
 Paris, 70 p.

Bulletin officiel d'information no. 1  
 (Informational bulletin no. 1)

Regular quarterly bulletin reporting  
 the activities of the Council;  
 technical notes, 59-5801 to 59-5803;  
 official communications concerning  
 such matter as pollution, policing, &  
 control of fishing; jurisprudence;  
 service conditions; statistics  
 employment.

FAO:glk

MF

FAO Regional Conference for 59-5798  
 Asia & the Far East, 4th - Tokyo,  
 6-16 October 1958 (1958)  
 Tokyo, 101 p.

Report of the fourth FAC Regional  
 Conference for Asia and the Far East

Contains, under chapter "Major questions  
 of food & agricultural development in  
 the region" section on "Problems of  
 determining priorities in fishery  
 development planning;" & under "Specific  
 activities requiring conference  
 guidance or government action" section  
 on "Fisheries statistics". Incl. list of

Anonymous (1959) 59-5801  
 Bull.inf.Cons.sup.Pêche, (1):11-4  
 Les travaux du Professeur Fontaine  
 sur le saumon de l'Adour à Oloron  
 (The work of Professor Fontaine on the  
 salmon of the Adour to Oloron)

Marking experiments with Salmo salar  
 off Cornwall & Brittany.

FAO:sjh

MF

59-5798  
 (Card 2)  
 documents, meetings convened by FAO,  
 summary of recommendations, etc.

FiB:sjh

Huet, M. & 59-5802  
 J.-A. Timmermans (1959)  
 Bull.inf.Cons.sup.Pêche, (1):15-21  
 Production de brochetons de sept  
 semaines (Production of seven week  
 pike fingerlings)

Note on Esox culture in Belgium.

FAO:sjh

F



Anonymous (1959) 59-5803  
Bull.inf.Cons.sup.Pêche, (1) 22-3  
 Observations sur le peuplement de  
 l'étang de la Bonde (Bouches-du-Rhône)  
 en sandres (Observations on the  
 stocking of Bonde pond, Bouches-du-  
 Rhône, with pike-perch)

A short note.

FAO:sjh

F

Brunet, R. (1958) 59-5806  
Bull.inf.Cons.sup.Pêche, (34):62-70  
 Les poissons carnassiers de  
 repeuplement (Common fishes for  
 stocking)

Consideration of natural factors  
 affecting the establishment of  
 populations of Perca fluviatilis,  
Micropterus punctulatus, M. dolomieu,  
M. salmoides, Esoc lucius & Sander  
luciperca.

FAO:glk

F

Federal Aid in Fish & 59-5804  
 Wildlife Restoration (1958)  
Wyoming Game & Fish Comm., 26 p.  
 A study of the effect of fertilization  
 on trout growth in an alpine lake in  
 Wyoming

Intermin reports on study of brook  
 & rainbow trout in L. Marie & Mirror L.,  
 1957.

WAD:sjh

F

Claus, G. (1959) 59-5807  
Arch.Hydrobiol., 55(1):1-29  
 Studien über die Algenvegetation der  
 Thermalquelle von Bükkszék  
 (Studies on the algae vegetation of  
 the hot springs in Bükkszék)

Describes the population, 60 spp.,  
 & compares it with that of other  
 Hungarian hot springs under similar  
 ecological conditions.

FAO:dr

F

France. Conseil Supérieur 59-5805  
 de la Pêche (1958)  
 Paris, 144 p.  
 Bulletin officiel d'information no. 34  
 (Informational bulletin no. 34)

Section 1 reports the work of the  
 Superior Fisheries Council; section 2  
 contains technical notes - 59-5806 -,  
 3 official announcements of forces etc.  
 4 notes on legal matters; 4 notes on  
 the work of fishery inspectors.

FAO:glk

F

Hornung, H. (1959) 59-5808  
Arch.Hydrobiol., 55(1):52-126  
 Floristisch-ökologische Untersuchungen  
 an der Echaz unter besonderer  
 Berücksichtigung der Verunreinigung  
 durch Abwässer (Floristic-  
 ecological investigations on the  
 Echaz with special consideration to  
 water pollution)

Reports correlation between the  
 population of a river biotop & its  
 changes caused by environmental  
 influences.

FAO:dr

F

Yockey, H.P. (1958) 59-5809  
London, Pergamon Press, 418 p.  
Symposium on information theory in  
biology - Gatlinburg, Tennessee,  
October 29-31, 1956

Contains more than 30 papers on various  
aspects of this subject, with  
Editorial introductions & discussion  
under main headings: Storage & transfer  
of information; Determination of  
information measures; Destruction of  
information by ionizing radiation;  
Aging & radiation damage; Information  
networks; Bibliographies with each

Sacher, G.A. (1958) 59-5812  
"In" 59-5809:317-30  
Entropic contributions to mortality  
and aging

Theoretical study, with discussion  
of relation of life-expectation to  
body-size & metabolic rate of  
animals.

FAO:sjh

G

59-5809  
(Card 2)  
paper; Status of information in  
biology; Author & subject indexes.  
Contains 59-5811 & 59-5812.

FAO:sjh

G

Giletti, B.J. 59-5813  
J.L. Kulp (1959)  
Science, 129:901-3  
Tritium tracer in Arctic problems

Tritium measurements in the Arctic  
ocean confirm a marked near-surface  
stratification. Sea water at 400  
meters' depth, however, is less than  
3 years old, suggesting a contribution  
to this water mass due to sinking  
along the continental shelf. The top  
ice layer on the Ward Hunt Island  
ice field is older than 25 years.

FAO:bjg

M

Yockey, H.P. (1958) 59-5811  
"In" 59-5809:297-316  
A study of aging, thermal killing, and  
radiation damage by information theory

Theory & results of experiments incl.  
study of effect of parental age on  
survival of 2 rotifers, Euchlanis &  
Philodina spp.

FAO:sjh

FG

Dickson, L.E. (1958) 59-5814  
New York, 312 p.  
Linear groups with an exposition  
of the galois field theory

G

Scholander, P.F. (1959) 59-5815  
Science, 129:1085-7  
Wave-riding dolphins: how do they do it?

Discussion of the ability of dolphins & of explanations of how this is done, with account of an experiment with a vane fixed on the bow of a ship & held in the bow-wave at various positions to measure drag & thrust.

FAO:glk

M

Anonymous (1959) 59-5818  
Science, 129:1117-8  
IATO Oceanographic Center

Note on the establishment of this centre.

FAO:glk

M

Pumphrey, R.J. (1959) 59-5816  
Science, 129:1087-92  
The forgotten man: Sir John Lubbock

Biographical note on this zoologist who made contributions to comparative physiology & to hydrobiology.

FAO:glk

MF

Wise, J.P. (1959) 59-5819  
Science, 129:1122  
Living resources of the sea

Review of 582527.

FAO

M

Struik, D.J. (1959) 59-5817  
Science, 129:1100-6  
American science between 1780 and 1830

Historical note of these activities which incl. scientific expeditions.

FAO:glk

MF

Schultz, L.P. & 59-5820  
R.H. Kanazawa (1959)  
Science, 129:1123  
Encyclopaedia zoologica. illustrated in colours

Review of 59-5795.

FAO:

MF



Schaeffer, B. (1959) 59-5821  
Science, 129:1124-5  
Anatomie de *Latimeria chalumnae*  
 Essay review of 59-3025.

FAO:

M

Hogben, C.A.M. (1959) 59-5824  
Science, 129:1224-5  
Electrophysiology of the elasmobranch stomach

Examination of the mechanism of gastric secretion by the mucosae of dogfish, *Squalus acanthias* L., & also of *Pollachius virens*, *Microgadus tomcod*, *Hypocephalus octodecimspinosus*, *Pseudopleuronectes americanus*, *Anguilla rostrata*, & *Ameiurus nebulosis*.

FAO:glk

MF

Hough, J.L. (1958) 59-5822  
Urbana, Univ. of Illinois Press, 313 p.  
Geology of the Great Lakes

F

Hubbs, C., G.E. Drewry 59-5825  
 & B. Harburton (1959)  
Science, 129:1227-9  
 Occurrence and morphology of a phenotypic male of a gynogenetic fish

A phenotypic male of *Mollienesia formosa*, a gynogenetic fish, has been collected at Brownsville, Texas. Morphological examination & comparison of males & females with regard to a hypothesis as to the hybrid origin of the sp.

FAO:glk

F

Lougee, R.J. (1959) 59-5823  
Science, 129:1134-5  
Geology of the Great Lakes

Review of 59-5822.

FAO:

F

Jackson, J. (1959) 59-5826  
Discovery, 20:284-91  
Water for the world

Ill. account of progress in methods of obtaining fresh from saline water.

FAO:sjh

MF

Ostroumov, E.A. & 59-5827  
 V.V. Shilov (1957)  
Geochem.News, (7):  
 (Distribution of sulphureous iron and  
 hydrogen sulphide in sediments of  
 deep-water depressions of the north-  
 western part of the Pacific ocean).  
Ru

M

deBruin, G.H.P. & 59-5830  
 D.J. Crisp (1957)  
J.exp.Biol., 34:447-63  
 The influence of pigment migration on  
 vision of higher crustacea  
  
 Test, by measurement of the visual  
 acuity of Leander serratus, Pandalus  
montagui & Praunus flexuosus under  
 different conditions of the hypothesis  
 that the movement of distal pigment  
 during light adaptation improved the  
 visual acuity of the super position I.  
 (issued as: Contr.Mar.Biol.Univ.Wales,  
 1958).

FiB:glk

M

Crisp, D.J. & 59-5828  
 D.H.A. Marr (1957)  
Proc. 2nd int.Congr.Surface Activity  
(Solid/Liquid Interface & Cell/Water  
Interface), 310-20  
 Energy relationships in physical  
 toxicity

Discussion of the action of organic  
 substances on nauplius larvae of  
Elminius modestus. The time &  
 temperature evidence of physical  
 narcosis, the mechanism of physical  
 toxicity, & arguing that the kind of  
 action of physical narcotics implies  
 that all narcotics have equal molar

Jones, W.C. (1957) 59-5831  
Quart.J.micr.Sci., 98(2):203-17  
 The contractility and healing  
 behaviour of pieces of Leucosolenia  
complicata

Account of the behaviour of isolated  
 pieces of the wall, of pieces after  
 removal of their choanoderm & of  
 pieces in sea water mixed with MgCl<sub>2</sub>  
 solution.

FiB:glk

M

59-5828  
 (Card 2)  
 concentrations or molar volumes in  
 the particular biophase where they  
 interfere with vital activity. (issued  
 as: Contr.Mar.Biol.Univ.Wales, 1958).

FiB:glk

M

Heighway, A.J. (Publ.)(1959) 59-5832  
Fish.News, Lond., Suppl., April 1959,  
 28 p.  
 Fairty factory fishing fleet  
  
 Series of technical articles on  
 design, construction & operation of  
 large factory-stern trawlers.

FiB:sjh

M

Lenier, R. (1959) 59-5833  
France pêche, 4(28):44-7  
La pêche à la lumière en Méditerranée  
(Light fishing in the Mediterranean)

Extract from & commentary on a report on this subject by Farina & Bourgois, & a paper by Nikoronov, with regard to technical aspects of surface & under-water illumination, spp. caught & the fishing methods employed, & behaviour of the fish.

FAO:glk

M

Tomiyama, I. & 59-5836  
T. Abe (1957)  
Tokyo, 1141-69  
Figures and descriptions of the fishes of Japan (a continuation of Dr. Shigeho Tanaka's work) vol. LVI

Contains 59-5837 to 59-5840.

GLK:sjh

M

Anonymous (1959) 59-5834  
France pêche, 4(28):51  
Fiche technique du poisson: l'anchois  
(Card technique of anchovy)

Detachable card giving description, common names, distribution, biology - spawning & growth - fishing & commercial use of Engraulis encrassicholus.

FAO:glk

M

Age, T. (1957) 59-5837  
"In" 59-5836:1141-7  
Exocoetus volitans Linnaeus  
(Exocoetidae). Ni

Ill. taxonomic account. Synonymy; detailed description of a type of specimen; notes on other specimens.

GLK:sjh

M

Haslett, A.W. (1958) 59-5835  
Sci.News, Harmondsworth, (50):119-20  
Research report - The British Association - Evolution in gastropoda in fresh waters

Reviews subject & summarizes observations on breathing, feeding & reproduction of freshwater snails.

GLK:efa

F

Abe, T. (1957) 59-5838  
"In" 59-5836:1148-54  
Cyclotone microdon (Günther)  
(Conostomatidae). Ni

Ill. taxonomic account. Synonymy; detailed description of a type of specimen; notes on other specimens.

GLK:sjh

M



Abe, T. (1957) 59-5839  
 "In"59-5836:1155-63  
Pristipomoides filamentosus roseus  
 (Castelnau) (Lutianidae). Ni

Ill. taxonomic account. Synonymy;  
 detailed description of a type  
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1958) 59-5842  
 "In"59-5841:1195-9  
Ptereleotris evides (Jordan & Hubbs).  
 (Eleotridae). Ni

Ill. taxonomic account; synonymy;  
 detailed description of a type  
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1957) 59-5840  
 "In"59-5836:1164-9  
Eleotriodes longipinnis (Lay &  
 Bennett) (Eleotridae). Ni

Ill. taxonomic account. Synonymy;  
 detailed description of a type  
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1958) 59-5843  
 "In"59-5841:1200-5  
Vireosa hanae Jordan & Snyder  
 (Eleotridae). Ni

Ill. taxonomic account. Synonymy;  
 detailed description of a type  
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. & 59-5841  
 T. Abe (1958)  
Tokyo, 1195-219  
 Figures and descriptions of the  
 fishes of Japan (a continuation of  
 Dr. Shigeo Tanaka's work) vol. LVIII  
 Contains 59-5842 to 59-5846.

GLK:sjh

M

Tomiyama, I. (1958) 59-5844  
 "In"59-5841:1206-9  
Eutaeniichthys gilli Jordan & Snyder  
 (Gobiidae). Ni

Ill. taxonomic account. Synonymy;  
 detailed description of a type  
 specimen; notes on other specimens.

GLK:sjh

M

Tomiyama, I. (1958) 59-5845  
'In' 59-5841:1210-4  
Suruga fundicola Jordan & Snyder  
(Gobiidae). Ni

Ill. taxonomic account; synonymy;  
detailed description of a type  
specimen; notes on other specimens.

GLK:sjh

M

Haslett, A.W. (1959) 59-5848  
Sci.News, Harmondsworth, (52):119-20  
Research report - Antarctica a true  
continent

Reviews evidence of sub-oceanic  
crust-thickness based on seismic  
records of an earthquake beneath  
Indian ocean during IGY, reported by  
F.F. Evison, G.E. Ingham & R.H. Orr,  
Nature, Lond., 183:306.

SJH:sjh

M

Abe, T. (1958) 59-5846  
'In' 59-5841:1215-9  
Decapterus kurroides aka-adsu Abe  
(Carangidae). Ni

Ill. taxonomic account. Synonymy;  
detailed description of a type  
specimen; notes on other specimens.

GLK:sjh

M

Tack, E. (1958) 59-5849  
Ost.Fisch., 11:129-34  
Über einige aktuelle Fragen der  
Forellenzucht (Questions of  
present interest referring to trout  
culture)

Collection of selected lectures of a  
series addressed to a training centre  
organized by Austrian Fisheries  
Association; incl. papers: 1) Our  
knowledge on the new trout disease;  
2) Results of new experiments on fry  
feeding in Albarmer; 3) On the Danish  
trout-culture; 4) Efficiency tests in  
trout cultivation.

FAO:dr

F

Haslett, A.W. (1959) 59-5847  
Sci.News, Harmondsworth, (52):112-5  
Research report - New theory of eel  
migrations

Reviews subject & summarizes theory of  
Tucker, D.W., 59-2477.

SJH:sjh

MF

Khartoum. University 59-5850  
Hydrobiological Research Unit (1958)  
Khartoum, Middle East Press, 22 p.  
Fifth annual report

Staff members, facilities & equipment,  
note on activities. Survey of work in  
progress comprises papers by Gay, P.A.  
Rzoska, J. & Nawar, G. List of papers  
published during the period covered by  
the report.

SJH:sjh

F

Healy, M.J.R. (1958) 59-5851  
Biometrics, 15(1):149  
Multivariate growth data

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. An interim report on work being carried out by the author in collaboration with Dr. J.M. Tanner of the Institute of Child Health, Univ. of London, & others. The known techniques of multivariate analysis have not been much used in practice, largely due to the computational labor involved. This is now being overcome by the use of electronic computers.

SJH:mjrh

G

Andersen, F.S. (1958) 59-5854  
Biometrics, 15(1):166-7  
Competition in populations of one-age group

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. Based on the literature on competition in populations consisting of a single age-group, mathematical models are given. Critical reviews have not yet been made of the literature dealing with the effect of density on the duration of development & on animal movements.

SJH:fsa

FG

Davis, D.E. (1958) 59-5852  
Biometrics, 15(1):164-5  
The behavioural assumptions in census methods

Abstr. of paper presented at the meeting of the 4th International Biometric Conference, Ottawa, August 28-September 2, 1958. Problems of estimating populations of wild animals have attracted the attention of statisticians for a couple of decades. The methods developed have necessarily made assumptions about the behaviour of the animals so that the population could be estimated. The present paper

Eastman, D. (1959) 59-5855  
Ore.St.Game Bull., 14(5):3-4, 6  
Fishing access

A review of legal situation in Oregon.

WAD:sjh

F

59-5852  
(Card 2)  
explores knowledge of behaviour in reference to these assumptions.

Anonymous (1959) 59-5856  
New Scient., 5:1148  
Lazy dolphins

Note on an experiment made to measure the forward thrust of the bow wave of a ship on an inclined plane fixed in it in imitation of the tail of a dolphin, the experiment having been made to ascertain how dolphins ride bow waves.

SJH:ded

G

FAO:glk

M



Mackintosh, N.A. (1959) 59-5857  
New Scient., 5:1229-31  
Biological problems in the regulation  
of whaling

An article about the whaling industry  
& whale conservation, on the occasion  
of 11th meeting of the IWC.

FAO:sjh

M

French Equatorial Africa 59-5860  
Haut-Commissariat Général de la  
Republique en Afrique Equatoriale  
Française (1959)  
Brazzaville, 57 p.

Cinquième rapport de la Station de  
Pisciculture de la Djoumouna  
Brazzaville, année 1958 (Fifth  
report of the fish culture station  
Djoumouna Brazzaville, 1958)

An account of its operation, the  
culture of several spp. of Tilapia,  
Heterotis, Gambusia, etc., & future  
study plans.

WAD:wad

F

Anonymous (1959) 59-5858  
New Scient., 5:1256  
Lazy dolphins

Comment on 59-5856.

FAO:sjh

M

Wilson, J.T. (1959) 59-5861  
Trans.Amer.geophys.Un., 40(1):3-24  
Geophysical Institutes of the U.S.S.R.  
and of the People's Republic of China

Contains also lists, addresses & short  
descriptions of facilities &  
activities of oceanographic institutes.

TL:tl

M

Film (1959) 59-5859  
Stockholm, Solfilm  
Sä fiskar vi gös (How we fish  
perch pike)

21 min. duration, 16 mm, color.  
Fishing method & gear used in the  
fishery for perch pike & its culture.  
Ref.: Svensk FiskTidskr., 68(3):35.

F

Anonymous (1959) 59-5862  
Trans.Amer.geophys.Un., 40(1):32  
New oceanographic vessel of the Navy

Note on the research vessel GIBBS,  
attached to Hudson Laboratories of  
Columbia University & in service from  
December 1958.

TL:sjh

M

Anonymous (1959) 59-5863  
Trans.Amer.geophys.Un., 40(1):35  
Influence of wind on coastal waters

The National Science Foundation has made a grant to the University of Florida to study the effects of high winds on coastal waters. The wave tank of the University of Florida as well as actual off-shore measurements will be involved.

TL:a

M

Garner, D.M. (1958) 59-5866  
N.Z.J.Geol.Geophys., 1(3):577-94  
The Antarctic convergence south of New Zealand

M

Anonymous (1959) 59-5864  
Trans.Amer.geophys.Un., 40(1):73-5  
IGY Bulletin - Seismic studies in the Western Caribbean

Analyses of the geological structure of the sea bed from seismic measurements.

TL:tl

M

Hersey, J.B. & 59-5867  
M.S. Rutstein (1958)  
Bull.geol.Soc.Amer., 69(10):1297-1304  
Reconnaissance survey of Oriente deep (Caribbean Sea) with a precision echo sounder

M

Anonymous (1959) 59-5865  
Trans.Amer.geophys.Un., 40(1):78-9  
IGY Bulletin - Measurements of the Pacific equatorial countercurrent

Note on the distribution of velocity with depth & estimates on mass transport.

TL:tl

M

Palekar, V.C. & 59-5868  
D.V. Bal (1957)  
J.Bombay nat.Hist.Soc., Dec.1957:962-4  
Destruction of timber by marine organisms in the Karwar port

Destruction of wooden beams by borers near mouth of R. Kali, south of Bombay; relation to salinity fluctuations, a monthly chart of which is given for 1951-2.

FiB:sjh

M

Mansueti, R. (1958) 59-5869  
Atlant.Nat., 13(2):72-84  
The Granesville Pine Swamp

Incl. list of fishes & crustaceans  
in this part of Maryland.

FiB:sjh

F

Burton, M. (1958) 59-5872  
London, Phoenix House, 64 p.  
Life in the deep

Popular account of oceanic  
exploration & sea-monsters,  
instruments for oceanography,  
marine biota especially plankton  
& abyssal forms, & careers in  
marine biology.

FiB:glk

M

Bhimachar, B.S. (1959) 59-5870  
Proc.Indian Sci.Congr., 46(2):1-16  
Inland fisheries of India and their  
problems

Essay on the resources & their  
exploitation, with regard to  
conservation; introduction, pollution,  
dams; riverine, estuarine & culture  
fisheries; fish seed, pond management,  
weed control, swamp reclamation, pond  
soils, utilization of sewage in ponds,  
statistics, causes of mortality.

FiB:sjh

MF

Harvey, H.W. (1957) 59-5873  
Cambridge, Univ. Press, 234 p.  
The chemistry and fertility of sea  
waters

2nd enlarged ed.

M

Schwartz, F.J. (1958) 59-5871  
W.Va Conserv., February 1958:8-9  
Lampreys of West Virginia

Short note on occurrence of various  
parasitic & non-parasitic spp. in the  
State, & their life-histories.

FiB:sjh

F

Lane, F.W. (1957) 59-5874  
London, Jarrolds, 287 p.  
Kingdom of the octopus - The life  
history of the Cephalopoda



M



Pilkington, R. (1957) 59-5875  
London, Routledge & Paul, 166 p.  
The ways of the sea

M

Kaberry, A.C. (Chairm.) (1957) 59-5878  
Proc.N.Z.ecol.Soc., (4):27-36  
Cook strait as a field for ecological study

Symposium conducted at 5th annual meeting of the Society, incl. papers 59-5879 to 59-5884, with full discussion.

FAO:sjh

M

Tiller, L.W. (Chairm.) (1957) 59-5876  
Proc.N.Z.ecol.Soc., (4):6  
The delineation of natural areas in New Zealand

Symposium at 5th annual meeting of Society, incl. papers 585821 & 59-5877, & full discussion.

FAO:sjh

FG

Brodie, J.W. (1957) 59-5879  
Proc.N.Z.ecol.Soc., (4):27  
Marine geology of Cook strait

A review presented to 59-5878.

FAO:sjh

M

Robertson, N.G. (1957) 59-5877  
Proc.N.Z.ecol.Soc., (4):6  
Climatic districts of New Zealand

Paper contributed to symposium, 59-5876, at 5th annual meeting of Society.

Garner, D.M. (1957) 59-5880  
Proc.N.Z.ecol.Soc., (4):28  
Physical oceanography of Cook strait

Short review presented to 59-5878.

FAO:sjh

M

Bary, B.M. (1957) 59-5881  
Proc.N.Z.ecol.Soc., (4):28-9  
Plankton

Short review presented to 59-5878.

FAO:sjh

M

Fleming, C.A. (1957) 59-5884  
Proc.N.Z.ecol.Soc., (4):33-4  
Biogeography of Cook strait seabirds

Short review presented to 59-5878,  
with notes on feeding.

FAO:sjh

M

Garrick, J.A.F. (1957) 59-5882  
Proc.N.Z.ecol.Soc., (4):29-31  
Sharks and rays of Cook strait

Short review presented to 59-5878.

FAO:sjh

M

Cassie, R.M. (1957) 59-5885  
Proc.N.Z.ecol.Soc., (4):37-9  
The sampling problem, with particular  
reference to marine organisms

Paper contributed to 5th annual  
meeting of the Society referring to  
contagious distributions; non-  
homogeneity of water masses; uses of  
mathematical models; proposed  
experimental work with plankton  
pumps.

FAO:sjh

MG

Yaldwyn, J.C. (1957) 59-5883  
Proc.N.Z.ecol.Soc., (4):32  
Decapods

Short review presented to 59-5878.

FAO:sjh

M

Jolly, V.H. (1957) 59-5886  
Proc.N.Z.ecol.Soc., (4):43-4  
Thermal stratification in some New  
Zealand lakes

Paper contributed to 5th annual  
meeting of the Society, comparing  
features of 6 N.Z. lakes with those  
of lakes elsewhere.

FAO:sjh

F

ICNAF (1959) 59-5887  
Halifax  
Annual meeting - June 1959

Incl. proceedings, documents; also  
agendas, research programs & other  
unnumbered papers.

SJH:sjh

II

ICNAF (1959) 59-5890  
ICNAF Annu.Meet.1959 Pap.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3) Appendix II  
Co-operative haddock program in ICNAF  
subarea 4

SJH:

II

ICNAF (1959) 59-5888  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3)

Minutes of December 1958 meeting of  
scientific advisers to panels 4 and 5

Reports discussion of biological  
research on Melanogrammus aeglefinus,  
Gadus callarias, scallops; statistics;  
plans for future meetings. Appendices  
give list of participants & contributed  
scientific notes - 59-5889 to 59-5896.

SJH:sjh

II

Taylor, C.C. & 59-5891  
R.R. Stoddard (1959)  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no.600 (B.Meet.f.  
2 & 3) Appendix III  
Recent variations in haddock growth

SJH:

M

ICNAF (1959) 59-5889  
ICNAF Annu.Meet.1959, Par.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3) Appendix I  
List of participants

Taylor, C.C. & 59-5892  
D.P. Oberacker (1959)  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no.3, Serial no.600 (B.Meet.f.  
2 & 3) Appendix IV  
Some effects of undetected trends in  
estimating mortality coefficients

Comparison of Paloheimo & Beverton  
& Holt methods - 581530 & 583330.

SJH:

II

SJH:sjh

M



Dickie, L.M. (1959) 59-5893  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3) Appendix V  
Method for measuring benefits of the  
Georges Bank mesh regulation  
  
Discussion of 59-2307.

SJH:sjh

M

Ruivo, M. & 59-5896  
G.V. Quartin (1959)  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3) Appendix VIII  
Age- and length-composition of cod  
(Gadus callarias L.) caught in  
subarea 4 in 1956-58

SJH:

M

Dickie, L.M. (1959) 59-5894  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no. 600 (B.Meet.f.  
2 & 3) Appendix VI  
Effects of possible mistakes in age  
determination on age-composition and  
mortality estimates for Georges Bank  
haddock

SJH:

M

Graham, H.W. (1959) 59-5997  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 4, Serial no. 603, (D.Res.  
a./58)  
United States research in the  
convention area during 1958  
  
Summary of studies & results by this  
country in sub-areas of NW Atlantic,  
with special reference to Melano-  
grammus aeglefinus, Gadus callarias,  
Sebastes marinus, Placoepecten  
magellanicus & Merluccius bilinearis.

SJH:sjh

M

ICNAF (1959) 59-5895  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 3, Serial no.600 (B.Meet.f.  
2 & 3) Appendix VII  
ICNAF mesh regulation operation of  
10% annual exemption

SJH:

M

Taylor, C.C., A.C. Jensen 59-5898  
& R.R. Stoddard (1959)  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 5, Serial no. 604, (D.Res.  
c.2)  
Recent variations in haddock growth  
(II)  
  
Comparison of growth histories of  
1952, & 1931-47 year classes of  
Melanogrammus aeglefinus in NW  
Atlantic, sub-area 5.

SJH:sjh

M

Poulsen, E.M. (1959) 59-5899  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no.6, Serial no. 605, (H.Var.)  
List of papers pertaining to the  
Northwest Atlantic

List of references, arranged by  
countries.

SJH:sjh

M

Ruivo, M. & 59-5902  
G.V. Martin (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc. no. 9, Serial no. 608, (D.Res.  
a./58)  
Portuguese research report, 1958

Summary of studies made & results  
obtained by this country in sub-  
areas of NW Atlantic, with special  
reference to Gadus callarias.

SJH:sjh

M

Templeman, W. (1959) 59-5900  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 7, Serial no. 606 (D. Res.  
a./58)  
Canadian researches, 1958 - I. Subareas  
2 and 3

Summary of studies & results by this  
country in the sub-area of NW Atlantic,  
with special reference to Gadus  
callarias, Melanogrammus aeglefinus,  
Sebastes spp., Hippoglossoides  
platessoides.

SJH:sjh

M

Posgay, J.A. (1959) 59-5903  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.10, Serial no. 609 (D.c.3)  
United States sea scallop research  
in subarea 5 during 1958

Summary of studies made & results  
obtained by this country concerning  
the fishery for & biology of  
Placopecten magellanicus in this  
NW Atlantic sub-area.

SJH:sjh

M

Hansen, P.M. (1959) 59-5901  
ICNAF Annu.Meet.1959, Pap. (mimeo)  
Proc.no. 8, Serial no. 607, (D.Res.  
a./58)  
Danish research report, 1958 - A.  
Biology

Summary of studies made & results  
obtained by this country in sub-areas  
of NW Atlantic, with special reference  
to Gadus callarias, Greenland halibut,  
Sebastes spp.

SJH:sjh

M

Wall, R.G.R. (1959) 59-5904  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 11, Serial no. 610 (D.Res.  
a./58)  
United Kingdom research report, 1958

Summary of studies made & results  
obtained by this country in NW  
Atlantic sub-areas, with special  
reference to Gadus callarias.

SJH:sjh

M

Bückmann, A. & al. (1959) 59-5905  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 12, Serial no. 611 (D.Res.  
a./58)

German research report, 1958

Summary of studies made & results  
obtained by this country in sub-areas  
of NW Atlantic, with special reference  
to Gadus callarias, Sebastes spp., &  
Melanogrammus aeglefinus.

SJH:sjh

M

Bumpus, D.F. (1959) 59-5908  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc. no. 15, Serial no. 614 (D.Res.  
a./58)

Addendum to United States research  
in the convention area during 1958

Note on hydrographic studies by  
this country in NW Atlantic.

SJH:sjh

M

Jean, Y. (1959) 59-5906  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc. no. 13, Serial no. 612 (D.Res.  
c.8)

Selection studies on subdivision 4T  
cod

Discards & trawl selectivity of Gadus  
callarias by Canadian vessels in NW  
Atlantic.

SJH:sjh

M

ICNAF (1959) 59-5909  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc.no. 16, Serial no. 615 (A.  
a. 4)

ICNAF mesh regulation operation of  
10% annual exemption

Summary of US actions in issuance  
of certificates, submission of  
special statistical returns.

SJH:sjh

M

Lucas, C.E. & 59-5907  
G.C. Trout (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc. no. 14, Serial no. 613 (D.Res.  
a./58)

Progress report on trials of top-side  
chafers

Preliminary note on experiments to  
determine effect of chafing gear on  
selectivity of trawls for Gadus  
callarias & Melanogrammus aeglefinus  
in Barents Sea & at Faroes.

SJH:sjh

M

Dickie, I.M. (1959) 59-5910  
ICNAF Annu.Meet.1959, Pap.(mimeo)  
Proc. no. 17, Serial no. 616 (D.  
c.3)

Relative rate of fishing on small  
sea scallops

Relations between catch, cull-size  
& landings of Placopecten observed  
on Canadian vessels in 1958 in Bay of  
Fundy. Mortality rates & discards  
& other data relevant to proposed  
mesh regulation.

SJH:sjh

M



FAO. Fisheries Division, 59-5911  
Biology Branch, B.B. Parrish  
& R.S. Keir (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.18, Serial no. 617 (F.a.)  
The measurement of fishing power

A review of this subject: performance,  
fishing effort; measurement of fishing  
power; summary of some results  
obtained, relation of fishing power  
to characteristics of vessel & gear.

SJH:sjh

MG

McCracken, F.D. (1959) 59-5914  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.20, Serial no.619 (D.c.2)  
Sizes, catches, and landings of  
haddock by Canadian otter trawlers  
from subdivisions 4V and 4W

Results of research vessel surveys  
of Melanogrammus aeglefinus stocks  
in 1958-9; relation to samples of  
commercial landings.

SJH:sjh

M

Keir, R.S. (1959) 59-5912  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 19, Serial no.618 (F.a.)  
Report on the ICNAF statistics &  
sampling

Summarises progress made in compiling  
statistical & sampling data on the  
fisheries of the convention area.  
In 6 sections. In the 1st sections a  
statement of the ICNAF requirements is  
followed by a discussion of how they  
are met by member countries. The  
final section proposes a number of  
changes in the form & content of the  
statistical submission, designed to

McCracken, F.D. (1959) 59-5915  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.21, Serial no.620 (D.c.8)  
Top chafing gear studies

Study of effect of chafing gear  
of selectivity of trawl for  
Melanogrammus aeglefinus made by  
Canadian scientists in 1958 in  
subdivision 4W of NW Atlantic.

SJH:sjh

M

59-5912  
(Card 2)  
reduce the bulk of the data to more  
manageable proportions & to help  
reduce some of the difficulties &  
delays which arise because of it.

SJH:rsk

M

Paloheimo, J.E. (1959) 59-5916  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.23, Serial no.622 (D.c.3)  
Summary of observations made in an  
analysis of groundfish landings and  
effort statistics

Analysis of fishing powers of  
Canadian vessels in sub-area 4 of  
NW Atlantic.

SJH:sjh

M

Ruivo, M. & 59-5917  
 G.Quartin (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.24, Serial no.623 (D.Res.a/53)  
 Portuguese research report, 1958

Continuation of 59-5902, dealing with observations on the cod, Gadus callarias L., in subarea 4 - Gulf of St. Lawrence - during the fishing campaigns 1956-58.

SJH:mr

M

Bratberg, E. (1959) 59-5920  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.27, Serial no.626 (D.Res.a/53)  
 Norway. Fisheries investigations in Greenland waters 1958

Reviews studies made & results obtained with special reference to hydrography & to Gadus callarias.

SJH:sjh

M

Rodriguez Martin, O. (1959) 59-5918  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.25, Serial no.624 (D.Res.a/53)  
 Spanish researches in 1958

Summary of studies made & results obtained by this country in sub-areas of NW Atlantic, with special reference to Gadus callarias.

SJH:sjh

M

Hansen, P.M. (1959) 59-5921  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.28, Serial no.627 (H.Var.)  
 Short review on the halibut fishery of the Greenlanders

Annual production; length-weight relation for the sp., history of the fishery - gear used, men employed, disposal of catches.

SJH:sjh

M

Keir, R.S. (1959) 59-5919  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.26, Serial no.625 (G.R.9)  
 Summary of the 1958 statistics on the groundfish fisheries of the convention area

Summary tables giving catches of cod, haddock, redfish, halibut, flounders & other groundfishes by each member country in each sub-area during 1958.

SJH:sjh

M

Hansen, P.M. (1959) 59-5922  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.29, Serial no.628 (D.C.9)  
 Survey of the Danish halibut research in subarea 1

Note on larvae, age determinations, tagging.

SJH:sjh

M

Fleming, A.M. (1959) 59-5923  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.30, Serial no.629, (D.c.8)  
The longline fishery at Bonavista,  
Newfoundland, 1952-1958

Note on this fishery for Gadus  
callarias; hydrographic conditions,  
size composition of catch, yearly  
catches & catches per unit effort.

SJH:sjh

M

Edwards, R.L. & 59-5926  
L.M. Lawday (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.33, Serial no. 632  
Industrial fishery

Relative fishing powers of vessels  
engaged in this New England fishery.

SJH:sjh

M

May, A.W. (1959) 59-5924  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 31, Serial no. 630 (D.c.2)  
Cod investigations in subarea 2 -  
Labrador, 1950 to 1958

Age determinations, growth rates,  
size-compositions, of Gadus callarias  
catches.

SJH:sjh

M

Hansen, V. (1959) 59-5927  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 34, Serial no. 633 (C.Prog.  
a.2)

Remarks on the ICNAF plankton  
research program

Proposals for methods & plan of  
fish larvae & egg sampling, & fish  
food survey.

SJH:sjh

M

Fleming, A.M. & 59-5925  
S.J. Olsen (1959)  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.32, Serial no.631 (D.c.2)  
Size and age composition of cod from the  
fishery on the southwest coast of  
Newfoundland during 1957

Contents as per title.

SJH:sjh

M

ICNAF (1959) 59-5928  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no. 35, Serial no. 634, (A.  
Admin.C.1)  
Collaboration between FAO and ICNAF,  
1958/59

Notes reporting action taken by FAO  
Fisheries Division in response to  
recommendations in the report of the  
8th annual meeting of ICNAF & other  
aspects of the current work of the  
Division of interest to the  
Commission.

SJH:sjh



Jónsson, J. & J. Magnusson (1959) 59-5929  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc. no.36, Serial no. 635 (D.Res.  
a/58)  
Icelandic research report 1958 -1. Cod-  
2. Redfish

Summarises studies made & results  
obtained by this country in sub-areas  
of NW Atlantic with special reference  
to Gadus callarias, Sebastes spp.

SJH:sjh

M

McCracken, F.D. (1959) 59-5932  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.39, Serial no.638 (D.c.4)  
North Atlantic fish marking symposium  
observations from submissions on  
tagging publicity methods

A summary of replies to circular  
letters on this subject to ICNAF  
member countries, with detailed  
appendices as follows: "Notes on  
tagging, especially publicity and  
rewards in the Federal Republic of  
Germany", by G. Krefft; "Notice  
about the system adopted in Portugal  
for the collection and distribution of

Keir, R.S. (1959) 59-5930  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.37, Serial no.636 (D.c.2)  
ICNAF cod otolith exchange programme

Summary of exchanges effected, &  
comparative table of several age  
determinations on each of a number of  
otoliths of Gadus callarias from various  
parts of NW Atlantic.

SJH:sjh

M

59-5932  
(Card 2)  
information on tags recovered in the  
ICNAF area", by M. Ruivo; "Publicity  
information and rewards in the U.S.  
ICNAF tagging program", by S.L.  
Cogswell; "Notes on tagging", by  
P. Hansen; "Note on tagging in the  
United Kingdom", by C.E. Lucas &  
G. Trout; "Canadian tagging publicity  
methods", by F.D. McCracken;  
"Information on tagging, Spain", by  
M. Sunico.

SJH:sjh

M

Keir, R.S. (1959) 59-5931  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.38, Serial no. 637(D.c.2)  
Summary of results from the age  
reducing of the 1958-59 ICNAF cod  
otolith exchange programme

Preliminary analysis of differences in  
age-determinations noted in 59-5930.

SJH:sjh

M

Travin, V. (1959) 59-5934  
ICNAF Annu.Meet. 1959, Pap.(mimeo)  
Proc.no.40, Serial no. 639, (D.Res.  
a/58)  
Soviet investigations in the ICNAF  
area, 1958

Summary of studies made & results  
obtained by this country in sub-areas  
1, 2 & 3, with special reference to  
Sebastes mentella, S. marinus & Gadus  
callarias; size compositions of  
catches by exploratory vessels.

SJH:sjh

M

Cerf, R. (1959) 59-5935  
C.R.Acad.Sci., Paris, 248:3536-8  
 Sur l'interférométrie ultrasonore et la  
 détermination du coefficient  
 d'absorption des liquides (On  
 ultrasonic interferometry and the  
 determination of the coefficient of  
 absorption of liquids)

Describes method of measurement &  
 general theoretical exploration of  
 results obtained.

FAO:sjh

G

Codreanu, R. (1959) 59-5938  
C.R.Acad.Sci., Paris, 248:3739-41  
 Sur le développement larvaire du  
 rhizocéphale Septosaccus cuenoti  
Duboscq, parasite du pagure Diogenes  
pugilator (Roux) de la mer Noire  
 (On the larval development of the  
 rhizocephalan Septosaccus cuenoti  
Duboscq, parasite on the paguran  
Diogenes pugilator Roux in the Black  
 Sea)

Ill. description. Comparison with  
 related groups.

FAO:sjh

M

Albe-Fessard, D. & 59-5936  
 A. Fessard (1959)  
C.R.Acad.Sci., Paris, 248:3624-6  
 Mise en évidence d'une réponse directe  
 par la stimulation d'organes chez deux  
 espèces de Mormyridés (Evidence for  
 direct response to stimulation of the  
 electric organ in two species of  
 Mormyridae)

Reports experiments with Gnathonemus  
senegalensis & Mormyrus rume from  
 African waters; comparison with  
Electrophorus electricus (S. America),  
Astroscopus (Uranoscopidae) & other  
 Torpedinae & Rajidae.

FAO:sjh

F

Abe, H. & 59-5939  
 H. Kurata (1957)  
Hokusuishi Geppo, 14(11):13-29  
 (Preliminary report on the shrimp  
 fishery investigation off Kushiro,  
 Hokkaido). Ni

FiB:

M

Bernard, F. (1959) 59-5937  
C.R.Acad.Sci., Paris, 248:3633-5  
 Comparaison de fertilité élémentaire  
 entre les bassins sud-est et sud-ouest  
 de la Méditerranée (Comparison of  
 primary productivity in south-east and  
 south-west basins of the Mediterranean)

Reports plankton concentrations as  
 function of depth, obtained by CALYPSO,  
 July 1955, with some data obtained  
 by other vessels at different times.

FAO:sjh

M

Dobbs, F.W. & 59-5940  
 F. Perry (1958)  
Fishk.Wat.Life, 13(14):712-3  
 Lace leaf plants

F

Schofield, D. (1958) 59-5941  
Fishk. Wat. Life, 13(12):587-8  
Aristocrat among aquatic plants  
(Aponogeton fenestralis)

F

Hendricks, A.J. (1957) 59-5944  
Amer. Midl. Nat., 58(2):470-93  
A revision of the genus Alisma (Dill)  
L.

F

Wendt, A. (1958) 59-5942  
Aquar.-u. Terrar.-Z., 11(8):244-5  
Aponogeton fenestralis var. guillotii  
(Hochr.) Jum.

F

Lever, J. (1958) 59-5945  
Waterweelde, 8(8):161-2  
Anubias lanceolata

F

Heinzig, R. (1958) 59-5943  
Aquar.u. Terrar., 5(11):321-2  
Eine Unterwasserform des Froschlöffels  
(Alisma plantago-aquatica)  
(An underwater form of water plantain,  
Alisma plantago-aquatica)

F

Mandeville, W.L. (1958) 59-5946  
Aquarist, 23(9):198-9  
Cultivation of Anubias (A. lanceolata,  
A. nana, A. congensis)

F



Hückstedt, G. (1958) 59-5947  
Aquar.-u.Terrar.-Z., 11(11):339-41  
Experimentelle Pharmakologie des  
Süßwassers (III) (Experimental  
pharmacology of freshwater (III) )

F

Heine, H. (1958) 59-5950  
Aquar.-u.Terrar.-Z., 11(10):314-7  
Barclaya longifolia Wallich, eine  
neueingeführte wertvolle Aquatik-  
pflanze (Barclaya longifolia  
Wallich, a newly introduced precious  
water plant)

F

Krone, W. (1958) 59-5948  
Waterweelde, 8(9):127-3  
Groene alg en druivensuiker. (Green  
algae and grape sugar)

F

Mühlberger, C. (1959) 59-5951  
Aquar.u.Terrar., 6(1):18-9  
Ein schönes Moos für Aquarien  
(A new moss for aquarium)

F

Vesters, C. (1958) 59-5949  
Waterweelde, 8(6):112-3  
Groene alg en druivensuiker (Green  
algae and grape sugar)

F

Howes, W.J. (1958) 59-5952  
Aquarist, 23(1):16  
Flowering rush of the pond side  
Butomus.

F

Lever, J. (1958)  
Waterweelde, 8(3):44-5  
Cardamine lyrata Bunge

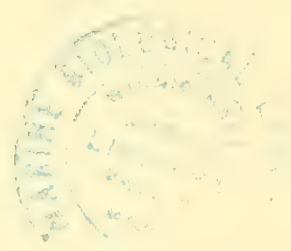
59-5953

F

de Wit, H.C.D. (1958)  
Fishk.Wat.Life, 13(5):230  
Cryptocoryne affinis

59-5954

F



Bertholdt, W. (1958) 59-5954  
Aquarist's J., 29(9):344-5  
Cultivating water ferns  
Ceratopteris.

Wendt, A. (1958) 59-5957  
Aquar.u.Terrar., 5(12):364  
Der Name Cryptocoryne haerteliana ist  
ungültig (C.affinis) (The name  
Cryptocoryne haerteliana is not  
valid (C. affinis))

F

Reitzig, K. (1958) 59-5955  
Aquar.u.Terrar., 5(11):331-2  
Beitrag zur Pflege von Cryptocoryne  
(Contribution to the growing of  
Cryptocoryne)

F

Nieuwenhuizen, A.v.d. (1958) 59-5958  
Aquarist, 27(10):302-8  
Cryptocoryne ciliata

F

de Wit, H.C.D. (1958) 59-5959  
Fishk. Wat. Life, 13(4):188  
Cryptocoryne griffithii and its  
allies

T

de Wit, H.C.D. (1958) 59-5962  
Fishk. Wat. Life, 13(8):392-3  
Slow-growing Cryptocoryne species  
(C. versteegii)

F

de Wit, H.C.D. (1958) 59-5960  
Fishk. Wat. Life, 13(14):710-1  
Cryptocoryne longicauda

F

Wendt, A. (1958) 59-5963  
Aquar. u. Terrar., 5(6):180-1  
Heleocharis vivipara

F

Nieuwenhuizen, A.v.d. (1958) 59-5961  
Aquarist, 27(11):344-9  
A three year experience with  
Cryptocoryne longicauda

F

Laarhoven, J.F. (1958) 59-5964  
Waterweelde, 8(5):83-4  
De Waterhyacinth Eichhornia crassipes  
(The water hyacinth Eichhornia  
crassipes)

F



Vesters, C. (1958) 59-5965  
Waterweelde, 8(4):64-6  
Lysimachia nummularia

F

Wendt, A. (1958) 59-5968  
Aquar.u.Terrar., 5(6):180-1  
Nomaphila stricta etc.

F

Stettler, P.H. (1959) 59-5966  
Aquaria, 6(1):9-11  
Ein epiphytischer Farn als 'Wasser-  
pflanze' (An epiphytical fern as  
'waterplant')

F

Eberle, G. (1958) 59-5969  
Natur u.Volk, 88(4):11-116  
Frostschaden an den Blättern der  
Mummel (Frost damage to the  
leaves of the water lily)

F

Wendt, A. (1959) 59-5967  
Aquar.u.Terrar., 6(1):15-6  
Ein neuer Farn als aquatische  
Pflanze (A new fern as aquatic  
plant)

F

Brünner, G. (1958) 59-5970  
Dtsch.Aquar.-Z., 11(9):281-2  
Einige Bemerkungen über die Wasser-  
banane (Some observations on the  
'Wasserbanane')

F

Vesters, C. (1958) 59-5971  
Waterweelde, 8(3):45-6  
Sagittaria sinensis

F

Schulz, B. (1958) 59-5974  
Aquar.u.Terrar., 5(6):181-2  
Bemerkenswertes aus der Entdeckungsgeschichte der Victoria amazonica  
(Some notes on the discovery of Victoria amazonica)

F

Lever, J. (1958) 59-5972  
Waterweelde, 8(6):104  
Salvinia auriculata

F

Greenberg, A. (1957) 59-5975  
Aquarist, 26(2):58-61  
The effect of temperature on aquatic plants

F

Lever, J. (1958) 59-5973  
Waterweelde, 8(5):84-5  
Utricularia-Blaasjeskruid  
(Utricularia-bladder-wort)

F

Kraft, H. (1959) 59-5976  
Aquar.u.Terrar., 6(1):16  
Ein Fortschritt in der Meeres-aquaristik: die Alge Caulerpa prolifera (A progress in sea aquaristics: the algae Caulerpa prolifera)

M

Kroon, J.H. (1958) 59-5977  
De Kor, 9(11):137-50  
Caulerpa prolifera en C. ollevieri,  
nieuwe zeewateraq.pl.  
(Caulerpa prolifera and C. ollevieri,  
two new seawater plants)

M

van Ramshorst, J.D. (1959) 59-5980  
Bull.aquat.Biol., spec.no.(2)  
List of references on aquatic plants  
and allied subjects

Supplement to 1st list issued July  
1958, 59-2376. Gives about 70  
references to papers in systematic  
order, with special section on marine  
plants, & books & general articles.

FAO:sjh

MF

Wendt, A. (1958) 59-5978  
Aquar.-u.Terrar.-Z., 11(9):285-6  
Caulerpa prolifera (Forsk.)  
Lamouroux

M

Olsson, R. (1958) 59-5981  
Akvariet, 1958(8):118-23  
Vattenväxternas byggnad  
(The growth of water plants)

F

Wendt, A. (1959) 59-5979  
Aquar.u.Terrar., 6(1):17-8  
Caulerpa prolifera, eine  
empfehlenswerte Alge für das  
Mittelmeer-aquarium . . . (Caulerpa  
prolifera, an algae recommended for  
the Mediterranean-aquarium).

M

Paul, A.R. (1957) 59-5982  
Thesis, Univ. of Reading, U.K.  
Observations on variations in some  
species of sponges in the Haplo-  
scleridae and Desmacidonidae

M



Schwitzer, J. (1958) 59-5983  
Thesis, Univ. of Reading, U.K.  
A survey of certain fauna in some  
littoral zones in Langstone and  
Chichester harbours

M

Loomis, W.F. (1959) 59-5986  
Sci.Amer., 200(4):145-56  
The sex gas of Hydra

Popular account of experiments to  
determine the role of environmental  
factors in induction of sexual  
reproduction.

FAO:glk

II

Deshpande, R.D. (1957) 59-5984  
Thesis, Univ. of Reading, U.K.  
Observations on the anatomy and  
ecology of British trochids

F

Croghan, P.C. (1958) 59-5987  
J.exp.Biol., 35(2):425-36  
Ionic fluxes in Artemia salina (L.)

MF

Hancock, D.A. (1957) 59-5985  
Thesis, Univ. of Reading, U.K.  
Studies on the biology and ecology of  
certain marine invertebrates, with  
particular reference to those  
associated with oyster culture

F

Croghan, P.C. (1958) 59-5988  
J.exp.Biol., 35(1):234-42  
The mechanism of osmotic regulation  
in Artemia salina (L.): the  
physiology of the branchiae

MF

Wunder, W. (1957) 59-5989  
Allg.FischZtg., 82:330-1  
Die Bekämpfung unerwünschter Teich-  
pflanzen mit chemischen Mitteln -  
Versuche mit Nata und Ugex  
(Control of undesirable pond plants by  
chemical treatments - Experiments  
with Nata and Ugex)

Reports account of experiments &  
reviews the subject.

FAO:dr

F

Deutschen Wetter 59-5992  
Wetterdienstes (1959)  
Offenbach a.M., 72 p.  
Jahresberichte des Deutschen  
Wetterdienstes no. 6, 1958  
(Annual report of German Weather  
Service no. 6, 1958)

Contains also review of synoptic &  
climatological services &  
investigations in maritime meteorology.

FAO:tl

M

Wunder, W. (1957) 59-5990  
Allg.FischZtg., 82:348-50  
Die Bekämpfung unerwünschter Teich-  
pflanzen mit chemischen Mitteln -  
Versuche mit Nata und Ugex  
(Control of undesirable pond plants by  
chemical treatments - Experiments with  
Nata and Ugex)

Reports account of experiments &  
reviews the subject.

FAO:dr

F

Inland Fisheries Trust 59-5993  
Incorporated (1957)  
Dublin, 23 p.  
Memorandum and articles of association  
of the Inland Fisheries Trust  
Incorporated

Contents as per title.

FiB:

F

Richter, W. (1957) 59-5991  
Allg.FischZtg., 82:381-5  
Der Zander und seine künstliche  
Vermehrung (The pike-perch and  
its artificial reproduction)  
  
Notes on general biology of Lucioperca  
lucioperca, with description of Russian  
method & equipment for artificial  
reproduction.

FAO:dr

F

Berner, L. (1959) 59-5994  
Bull.Fla St.Mus., 4(1):58 p.  
A tabular summary of the biology of  
North American mayfly nymphs  
(Ephemeroptera)

Summary of the biology of immature  
spp. of mayflies covering  
characteristics, habitat & habits  
of the nymphs, life history &  
taxonomy.

FAO:hr

F

Wisner, R.L. (1959) 59-5995  
Copeia, 1959(1):1-7  
 Distribution and differentiation of the  
 North Pacific myctophid fish,  
Tarletonbeania taylori

A study of series of specimens from  
 the northwestern & northeastern Pacific  
 with particular reference to meristic  
 variation showed highly significant  
 differences between the 2 populations  
 indicating that the northeastern form  
 comprises an isolated population  
 chiefly confined to the Alaskan gyral  
 & largely uncontaminated by

Parker, R.A. & 59-5998  
 A.D. Hasler (1959)  
Copeia, 1959(1):11-8  
 Movements of some displaced  
 Centrarchids

An analysis of summer distribution of  
 marked & displaced Micropterus  
salmoides, Lepomis macrochirus & L.  
gibbosus to ascertain & evaluate  
 factors influencing the rate of  
 return to sites of capture after  
 displacement, the mechanisms involved,  
 & the effect of nonrandom movement  
 on Petersen type population  
 estimates.

HR:hr F

59-5995  
 (Card 2)  
 recruitment from the west or by  
 hybridization with its congener T.  
crenularis from the south.

HR:hr M

Williams, G.C. (1959) 59-5999  
Copeia, 1959(1):18-24  
 Ovary weights of darters: a test of  
 the alleged association of parental  
 care with reduced fecundity in fishes

Observations on Etheostoma nigrum,  
E. flabellare, egg guarding spp., &  
E. caeruleum & E. spectabile non egg  
 protecting spp., showed that the 2  
 first had greater relative ovary  
 weights than the 2 last ones which  
 desert their eggs.

HR:hr F

Suttkus, R.D. (1959) 59-5997  
Copeia, 1959(1):7-11  
Notropis uranoscopus, a new cyprinid  
 fish from the Alabama river system

A diagnosis & description with notes on  
 habitat & habits of the sp. which is  
 compared with its closely related form  
N. stramineus.

HR:hr F

Haven, D.S. (1959) 59-6000  
Copeia, 1959(1):25-30  
 Migration of the croaker, Micropogon  
undulatus

Petersen disc tags & internal belly  
 tags were used to tag croakers in  
 Chesapeake Bay & North Carolina. Tag  
 recoveries indicate movement of  
 croakers up the estuaries & up the  
 Bay during spring, limited random  
 movements in summer, & an oceanward  
 migration in fall. In 1950 the sport  
 fishery captured almost as many tagged  
 croakers as the haul seine fishery  
 indicating that the sport fishery must  
 be very large.

HR:hr MF



Springer, S. (1959) 59-6001

Copeia, 1959(1):30-3

A new shark of the family Squalidae from the Carolina continental slope

A diagnosis & taxonomic description of Deania elegans sp.nov. caught in an otter trawl off Cape Fear, North Carolina, in 200 fathoms.

HR:hr

M

Bali, J.B. &

59-6004

C.E. Bond (1959)

Copeia, 1959(1):74-6

The bigfin eelpour, Aprodon cortezianus Gilbert, common in waters off Oregon

Gives records of the sp. by localities & morphometric & meristic measurements & counts.

HR:hr

M

Svihla, A. (1959)

59-6002

Copeia, 1959(1):72

A simple method of collecting Ascaphus truei tadpoles

HR:

F

Bright, D.B. (1959)

59-6005

Copeia, 1959(1):76-7

The occurrence and food of the sleeper shark, Somniosus pacificus, in a central Alaska bay

HR:

M

Daiber, F.C. (1959)

59-6003

Copeia, 1959(1):74

An observation on the deep-sea electric ray

HR:

M

Kilby, J.D., E. Crittenden 59-6006

& L.E. Williams (1959)

Copeia, 1959(1):77-8

Several fishes new to Florida freshwaters

Appearance records of Micropterus coosae, Lepomis cyanellus, L. humilis, Lepomis annularis, Perca flavescens, Roccus chrysops & Acipenser brevirostris.

HR:hr

F

Bayliff, W.H. (1959) 59-6007  
Copeia, 1959(1):78-80  
Notes on the taxonomy and distribution  
of certain zoarcid fishes in the  
northeastern Pacific

An attempt to clear up some confusion  
in the taxonomy, records & ranges of  
10 spp. of Zoarcidae of the genera  
Lycodes, Lycodopsis, Lycenchelys,  
Embryx, Bothrocara & Lycodapus  
occurring between southern Oregon & the  
Aleutian islands.

HR:hr

M

American Fisheries Society (1958) 59-6010  
Trans.Amer.Fish.Soc., (87):532 p.

Lists officers & members; papers of  
symposia; reports of officers &  
committees - international relations,  
national-state relations, editorial  
board, hydrobiology & fish culture,  
commercial fisheries, water pollution  
& finance - ; constitution & by-laws  
of the society. Incl. 59-6011 to  
59-6055. Annual index.

HR:sjh

MF

Hubbs, C. & 59-6008  
G.E. Drewry (1959)  
Copeia, 1959(1):80-1  
Artificial production of an inter-  
generic atherinid fish hybrid

Contains the results of hybridization  
of Menidia beryllina & Membras  
martinica.

HR:hr

M

Donaldson, L.R. & 59-6011  
G.H. Allen (1958)  
Trans.Amer.Fish.Soc., (87):13-22  
Return of silver salmon, Oncorhynchus  
kisutch (Walbaum) to point of  
release

Experiments in which marked  
fingerlings were released in  
Washington State; none returned to  
native stream, but instead returned  
to their rearing ponds & to the  
point of release.

HR:sjh

MF

Walters, V. (1959) 59-6009  
Copeia, 1959(1):82  
Provisional keys to the fishes of  
Alaska

Shields, J.T. (1958) 59-6012  
Trans.Amer.Fish.Soc., (87):23-33  
Experimental control of carp  
reproduction through water drawdowns  
in Fort Randall reservoir, South  
Dakota

Eggs of Cyprinus carpio killed by  
exposure, & reduction of resulting  
year-classes verified.

HR:

MF

HR:sjh

F

Bell, R. (1958) 59-6013  
Trans.Amer.Fish.Soc., (87):33  
Cui-ui in Pyramid lake, Nevada

Short note on Indian fishery for the  
catastomid Chasmistes cujus.

HR:sjh.

F

Olson, D.E. (1958) 59-6016  
Trans.Amer.Fish.Soc., (87):52-72  
Statistics of a walleye sport fishery  
in a Minnesota lake

Population dynamics, growth, catches  
by angling for Stizostedion v.vitreum  
in Many Point Lake.

HR:sjh

F

Carlander, K.D. (1958) 59-6014  
Trans.Amer.Fish.Soc., (87):34-8  
Disturbance of the predator-prey  
balance as a management technique

Exceptional harvest of Stizostedion  
vitreum in Clear lake, Iowa, in 1951 is  
perhaps explained by reproductive  
failure of Perca flavescens in 1950 &  
by elimination of young yellow bass,  
Morone interrupta, through predation.  
Stocking of Esox lucius in 1953  
increased the weight of the predator  
population.

HR:kdc

F

Beeton, A.M. (1958) 59-6017  
Trans.Amer.Fish.Soc., (87):73-9  
Relationship between Secchi disc  
readings and light penetration in lake  
Huron

57 paired photometer & Secchi disc  
measurements made at 18 stations  
support view that a counter-clockwise  
current usually occurs in the bay with  
more transparent lake Huron water  
flowing in along the northwest shore  
& less transparent bay water flowing  
out along the southeast shore.  
Discrepancies in relationship of disc  
readings to transmission of surface

Henderson, C. & 59-6015  
Q.H. Pickering (1958)  
Trans.Amer.Fish.Soc., (87):39-51  
Toxicity of organic phosphorus  
insecticides to fish

Bioassays with 10 compounds; effects  
on fathead minnows & bluegills. No  
relation of toxicity to chemical  
structure, or correlation with effects  
on insects & mammals.

HR:sjh

F

59-6017  
(Card 2)  
light are related to the condition  
of the sky & sea explained on the  
basis of the spectral sensitivity  
of the human eye & its response to  
surface glare.

HR:amb

F



Kutkuhn, J.H. (1958) 59-6019  
Trans.Amer.Fish.Soc., (87):80-103  
Utilization of plankton by juvenile  
gizzard shad in a shallow prairie lake

Investigations of ecology of Dorosoma  
cepedianum in North Twin lake, Iowa,  
1954 & 1955. Gut contents compared  
with available food, & diet of other  
fishes.

HR:sjh

F

Purkett, C.A., Jr. (1958) 59-6022  
Trans.Amer.Fish.Soc., (87):116-31  
Growth of the fishes in the Salt  
river, Missouri

Data for Cyprinus, Aplodinotus,  
Ictiobus, Lepomis, Catostomus, Doroso-  
ma, Carpionodes, Pilodictis, Pomoxis,  
Ictalurus & Moxistoma spp. Discussion  
of minimum legal lengths.

HR:sjh

M

Sykes, J.E. (1958) 59-6020  
Trans.Amer.Fish.Soc., (87):104-7  
A method of determining the sex of the  
striped bass, Roccus saxatilis  
(Walbaum)

Describes method using serrated-jaw  
ear forceps to extract gonads of dead  
fish on market without damaging them  
& affecting market value.

HR:sjh

Ellis, C.H. (1958) 59-6023  
Trans.Amer.Fish.Soc., (87):132-8  
Rearing methods and the return of  
fall-migrating chinook salmon

Homing of Oncorhynchus tshawytscha  
determined by marking fish released  
in Samish river, Washington.

HR:sjh

MF

Grice, F. (1958) 59-6021  
Trans.Amer.Fish.Soc., (87):108-15  
Effect of removal of panfish and  
trashfish by fyke nets upon fish  
populations of some Massachusetts'  
ponds

Experiments 1951-56 showed changes in  
growth rates, but not in spp.  
composition.

HR:sjh

F

LaPointe, D.F. (1958) 59-6024  
Trans.Amer.Fish.Soc., (87):139-50  
Age and growth of the American shad,  
from three Atlantic coast rivers

Comparisons of results for Florida,  
N. Carolina & Maryland rivers.  
Spawning marks are discussed.

HR:sjh

MF

Eisler, R. (1958) 59-6025  
Trans.Amer.Fish.Soc., (87):151-62  
Some effects of artificial light on  
salmon eggs and larvae

Eggs & resulting larvae of Oncorhynchus  
tshawytscha were exposed continuously  
to several intensities of fluorescent  
light for a period extending from 24  
hours after fertilization through  
absorption of the yolk-sac. Eggs of O.  
kisutch were similarly treated.

HR:re

MF

Horton, H.F. & 59-6028  
R.L. Borovicka (1958)  
Trans.Amer.Fish.Soc., (87):102-9  
Oregon's aerial fish-planting  
program

Equipment is described whereby aerial  
planting in high mountain lakes can  
be done by two men. Results of  
experiments with aeration equipment,  
costs of operation & a brief survey  
of the literature are presented.  
Tests with Salvelinus fontinalis &  
Salmo gairdneri.

HR:hfh

F

Wales, J.H. & 59-6026  
J.P. Lane (1958)  
Trans.Amer.Fish.Soc., (87):163-71  
Public opinion analysis in trout  
fishery management

An angler opinion survey was begun at  
Castle lake, California, during summer  
1957. Anglers were asked standardized  
questions to determine how opinions of  
trout fishermen about spp., minimum  
acceptable size, & size-number balance  
could best be obtained.

HR:jhw

F

Roelofs, E.W. (1958) 59-6029  
Trans.Amer.Fish.Soc., (87):190-9  
Age and growth of whitefish, Coregonus  
clupeaformis (Mitchill), in Big Bay  
de Noc and northern lake Michigan

Age composition & growth in 1949-50  
indicate that the 2 populations are  
separate.

HR:sjh

F

Buss, K. & 59-6027  
J.E. Wright (1958)  
Trans.Amer.Fish.Soc., (87):172-81  
Appearance and fertility of trout  
hybrids

Mature hybrids among Salvelinus  
fontinalis, Salmo trutta & S. gairdneri  
& Salvelinus namaycush involving  
reciprocal crosses, backcrosses &  
three-way crosses were utilized to  
test fertility & to present photo-  
graphic records of external  
characteristics.

HR:kb

F

Ball, O.P. (1958) 59-6030  
Trans.Amer.Fish.Soc., (87):200-6  
Management of sport fishing in San  
Diego's program of multiple use of  
water-supply reservoirs

Describes program of the San Diego  
Water Department.

HR:sjh

F

Allen, G.H. (1958) 59-6031  
Trans.Amer.Fish.Soc., (87):207-19  
Survival through hatching of eggs from  
silver salmon (Oncorhynchus kisutch)

Parent to parent differences in  
mortality of off-spring in hatcheries  
appears more related to the female  
than to the male parent, demonstrated  
by controlled & replicated crossing.

HR:sjh

MF

Patriarche, M.H. & 59-6034  
R.S. Campbell (1958)  
Trans.Amer.Fish.Soc., (87):240-58  
The development of the fish  
population in a new flood-control  
reservoir in Missouri, 1948 to 1954

Growth, age compositions, spawning  
of many spp. of crappies, basses,  
sunfishes, suckers, gizzard shad,  
carp, catfish, bullheads.

HR:sjh

F

Gerking, S.D. (1958) 59-6032  
Trans.Amer.Fish.Soc., (87):220-8  
The survival of fin-clipped and latex-  
injected redear sunfish

Lepomis microlophus were marked by  
latex injection & by fin-clipping in  
Wyland lake, Indiana, to determine  
immediate & delayed effects of these  
techniques on survival. A variety of  
fin-clips were used & latex was  
injected subdermally with a hypodermic  
syringe in the occiput region &  
posterior dorsal region.

HR:sdg

F

Loftus, K.H. (1958) 59-6035  
Trans.Amer.Fish.Soc., (87):259-77  
Studies on river-spawning populations  
of lake trout in eastern Lake  
Superior

Tagging study of Salvelinus namaycush  
population; movements, mortality,  
sizes at maturity, scars of  
Petromyzon marinus attacks.

HR:sjh

F

Saila, S.B. (1958) 59-6033  
Trans.Amer.Fish.Soc., (87):229-39  
Size limits in largemouth black bass  
management

A reanalysis of pertinent data on  
survival, natural mortality rates &  
rates of exploitation for Micropterus  
salmoides. It is demonstrated that size  
limit effective one year after the  
minimum size at which capture is  
practicable will eventually assure a  
greater number of large fish in the  
catch than is possible without a size  
limit under the conditions observed  
to date.

HR:sbs

F

Whiteleather, R.T. (1958) 59-6036  
Trans.Amer.Fish.Soc., (87):281  
Symposium on commercial fisheries -  
Introduction

Introduction to symposium subtitled  
"Future crisis in commercial fishing  
production". (Contributed papers are  
59-6037 to 59-6055.

HR:sjh

MF



Idyll, C.P. (1958) 59-6037  
Trans.Amer.Fish.Soc., (87):282-92  
Contribution of biology and  
oceanography to increased harvest of  
marine fishes

A general review, mentioning hatching  
& rearing young, control or  
encouragement of fishing effort,  
relation of oceanographic conditions  
to fish abundance, distribution, &  
patterns of behaviour; abundance  
predictions.

HR:sjh

Powell, D.E. (1958) 59-6040  
Trans.Amer.Fish.Soc., (87):309-15  
The role of exploration and gear  
research in the future expansion of  
our commercial fisheries

The possibilities-expansion of  
present grounds, discovery of new  
grounds, diversification of present  
fishing, gear improvement, fish  
detection & location; mid-water  
trawling, electrical fishing; future  
research.

HR:sjh

Stern, J.A. (1958) 59-6038  
Trans.Amer.Fish.Soc., (87):293-8  
Influence of technological advancements  
on utilization of fisheries in the  
future

A short general review dealing mainly  
with improvements in handling & fish  
processing.

HR:sjh

Kimsey, J.B. (1958) 59-6041  
Trans.Amer.Fish.Soc., (87):319-32  
Fisheries problems in impounded  
waters of California and the lower  
Colorado river

Contribution to symposium on  
Reservoir Management. A general  
review of possibilities of stock  
utilization & formation.

HR:sjh

Riggs, C.D. (1958) 59-6039  
Trans.Amer.Fish.Soc., (87):299-308  
Unexploited potentials of our  
fresh-water commercial fisheries

Reservoirs, farm ponds, rice fields;  
fish farming generally; problems of  
utilization, mortality, improved  
harvesting, legislation & public  
relations in U.S.

HR:sjh

Parsons, J.W. (1958) 59-6042  
Trans.Amer.Fish.Soc., (87):333-55  
Fishery management problems and  
possibilities on large southeastern  
reservoirs

Contribution to symposium on  
Reservoir Management. A general  
review of possibilities of stock  
utilization & formation.

HR:sjh

Shields, J.T. (1958) 59-6043  
Trans.Amer.Fish.Soc., (87):356-62  
Fish management problems of large  
impoundments on the Missouri river

Contribution to symposium on  
Reservoir Management. A general  
review of possibilities of stock  
utilization & formation.

HR:sjh

F

Rucker, R.R. (1958) 59-6046  
Trans.Amer.Fish.Soc., (87):374-9  
Some problems of private trout  
hatchery operators

Disease, nutritional, & environmental  
problems in commercial production of  
trout are discussed, incl. mortality  
& age of spawners, copepod & gyro-  
dactilid infections, suitable water  
temperatures, diseases - especially  
red mouth & back peel - & inspection  
of fish.

HR:rrr

F

Greene, A.F.C. (1958) 59-6044  
Trans.Amer.Fish.Soc., (87):365-7  
Some state problems associated with  
the commercial trout industry

Responsibilities of state agencies in  
U.S., their cooperation with industry;  
control of fish distribution.

HR:sjh

M

Snieszko, S.F. (1958) 59-6047  
Trans.Amer.Fish.Soc., (87):380-5  
Suggestions for reduction of natural  
mortality in fish populations

Some suggestions are given, based  
largely on experience with disease  
control in hatcheries & fish farms,  
for minimizing natural mortality of  
fish from infectious diseases.  
Particular reference to brook trout  
& infection by fungus Candida  
albicans & septicaemia caused by  
Aeromonas liquefaciens.

HR:sjh

F

Belcher, D.D. (1958) 59-6045  
Trans.Amer.Fish.Soc., (87):368-73  
Problems in commercial trout  
production

Problems in U.S. concern size of  
enterprise, finances, efficiency of  
operation, competition within the  
industry, research, labor & management.

HR:sjh

F

Tanner, H.A. (1958) 59-6048  
Trans.Amer.Fish.Soc., (87):386-91  
Place of game and fish in multiple  
use of watersheds

A general essay, reference to U.S.  
conditions.

HR:sjh

F

Packer, P.E. (1958) 59-6042  
Trans.Amer.Fish.Soc., (87):392-7  
Management of forest watersheds and  
improvement of fish habitat

Reviews situation in western U.S.  
concerning watershed protection &  
water-yield improvement problems.

HR:sjh

Stroud, R.E. (1958) 59-6052  
Trans.Amer.Fish.Soc., (87):428-9  
Reports of standing committees -  
Committee on national-state relations

Contents as per title.

HR:sjh

MF

Carter, B.T. (1958) 59-6050  
Trans.Amer.Fish.Soc., (87):398-400  
The states and federal aid in  
fisheries

A short note on the accomplishments  
of the Federal Aid Program in U.S.  
(Dingell-Johnson Act).

HR:sjh

MF

Larkin, P.A. (1958) 59-6053  
Trans.Amer.Fish.Soc., (87):430-41  
Reports of standing committees -  
Committee on hydrobiology and fish  
culture

Incl. section on progress in water  
fertilization (by N.G. Benson),  
fish culture (R.I. Stevens), fish-  
ways (W.H. Everhardt), fish diseases  
(T.R. Rucker), rearing Megastomatobus,  
Ictiobus & Ictalurus spp. (J.H.  
Stevenson).

HR:sjh

MF

Carbine, W.F. (1958) 59-6051  
Trans.Amer.Fish.Soc., (87):416-25  
Reports of standing committees -  
Committee on international relations

Contents as per title.

HR:sjh

MF

Whiteleather, R.T. (1958) 59-6054  
Trans.Amer.Fish.Soc., (87):442-6  
Reports of standing committees -  
Committee on commercial fisheries

Contents as per title.

HR:sjh

MF



Doudoroff, P. (1958) 59-6055  
Trans.Amer.Fish.Soc., (87):446-9  
Reports of standing committees -  
Committee on water pollution

Contents as per title.

HP:sjh

F

IPFC (1958) 59-6058  
IPFC 8th Sess.Pap.(mimeo)Summ.Rep.  
Summary report of the seventh session  
Indo- Pacific Fisheries Council  
Bandung, Indonesia, May 13-27, 1957

Agenda, addresses, plenary record  
resolutions of council & its  
committees; lists of delegates,  
officers, committee members, of  
publications & documents.

SJH:sjh

MF

IPFC (1958) 59-6056  
Colombo, Ceylon,  
Indo Pacific Fisheries Council 8th  
session papers (mimeo)

Incl. working papers, technical  
papers, symposium papers, incidental  
papers, minutes, summary reports, some  
occasional papers distributed at the  
meeting.

SJH:sjh

MF

de Zylva, E.R.A. (1958) 59-6059  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
CP 28

The progress of mechanization of  
fishing craft and the use of  
improved gear in Ceylon

Advance text of a paper in press.

SJH:sjh

M

IPFC (1958) 59-6057  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
VP 6 - Rev. 1

Report of technical committee II -  
Part A. (Period between the 7th and  
8th sessions of the council)

SJH:

MF

Unar, M. (1958) 59-6060  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
CP 24

Some experiments on tuna fishing with  
a new method in the Indonesian waters

Extract of a paper published  
elsewhere in Indonesia.

SJH:sjh

M

Soekarno, R. (1958) 59-6061  
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

20

The function and significance of fish-culture in relation to the regional/village economy

Surveys the situation in Indonesia.

SJH:sjh

F

Soesanto, V. & W. Soebany (1958)

IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP 10

Craft and gear utilized in the Rastrelliger fisheries

Refers to Indonesian fishery.

SJH:sjh

M

Soekarno, R. (1958) 59-6062  
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

19

Fish production and fish trade with special reference to the areas of Bandjar and Hulu Sungai (South Kalimantan)

A general review.

SJH:sjh

MF

Soesanto, V. (1958) 59-6065  
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

CP 11

Rastrelliger landings 1954 - 1957

Refers to Indonesian fishery.

SJH:sjh

M

Pahari, R. (1958) 59-6063  
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

18

Fish production and consumption in West Java

A general review.

SJH:sjh

MF

Schuurman, J.J. (1958) 59-6066  
IPFC 8th Sess. Pap. (mimeo), IPFC/C58/CP

TP 7

The value of filamentous algae for the growth of Chanos chanos (Forsk)

A translation of Indonesian J. nat. Sci. 112:65-9, 1956.

SJH:sjh

MF

Takayama, S. (1958) 59-6067  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 8

Fishing efficiency of otter trawl  
aided with a kite

Model experiments we conducted at a  
laboratory tank for years resulted in  
materialization of a kite to be  
reported here. After successful field  
tests in Tokyo bay by the R.V. TENYO  
MARU (240 G.T.) of the Tokai Regional  
Fisheries Research Laboratory, the  
kite has been in commercial use in the  
East China & Yellow Seas since  
February 1957.

SJH:st

59-6069  
(Card 2)  
vectors in Indonesia; App. B.: List  
of malaria vectors in the IPFC region;  
App. C.: List of literatures.

SJH:sjh

Soong, M.K. & 59-6068  
A.B.O. Merican (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 21

The use of endrin as a piscicide in  
mining pools and fish ponds in Malaya

Experiments demonstrate toxicity to  
Ophiocephalus striatus, in comparison  
with other piscicides. Application  
to pools containing Cyclocheilichthys  
Osteocheilus spp.

SJH:sjh

F

Djajadiredja, R.R. & 59-6071  
R. Amidjaja (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 19

Some observations on Chanos culture  
in fresh water

Describes mixed culture in Indonesian  
ponds of C. chanos & Puntius  
javanicus & other spp., fertilization  
by sewage, food eaten, yields  
obtained.

SJH:sjh

MF

Wiraatmadja, G. & 59-6069  
R. Djamhur (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 20

Relation between fish culture in  
rice fields and malaria

A review of knowledge under headings:  
Malaria vectors & their breeding  
habitats; Anopheles aconitus, most  
dangerous epidemic vector in rice  
fields areas; Experiences & observation  
observations concerning A. aconitus  
in 2 former malaria epidemic areas.  
Appendix A.: Synopsis of malaria

Tjiptoaminoto, R.M. & 59-6072  
M. Sachlan (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 18

The transportation of Chanos  
fingerlings and their mortality

Describes methods used in Indonesia.

SJH:sjh

MF



Tjajadiredja, R.R. (1958) 59-6073  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 16

Preliminary report on transportation  
of Chanos fingerlings with aerating  
system

Results of mortality experiments with  
fish in different water volumes.

SJH:sjh

MF

Sivalingam, S. (1958) 59-6074  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 13

General features and productivity of  
the Wadge bank

Bionomics of the fisheries; catches  
& abundance, diurnal catch changes,  
migrations.

SJH:sjh

MF

Koostedjo, R. & 59-6074  
Achjat (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 15

Some statistical data on fisheries in  
Indonesia

Consists of some statistical data on  
the quantity & value of the  
commercial catch of both the sea &  
inland fisheries' production & their  
value, the operating units & fishermen  
engaged in the fisheries.

SJH:sjh

MF

Unar, M. & 59-6077  
M. Sachlan (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 10

Common economic and commercial fishes  
of Indonesia

Lists, in systematic order, spp. &  
their common names, with short  
description, & habitat notes.

SJH:sjh

MF

Ahmad, N. (1958) 59-6075  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 14

Reclamation of derelict water areas  
in East Pakistan

A summary of activities & progress  
made.

SJH:sjh

F

Pathansali, D. & 59-6076  
S.M. Kong (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 5

Some aspects of cockle (Anadara  
granosa L.) culture in Malaya

Culture was introduced in 1948.  
Relevant biological aspects such as  
habitat, breeding & growth are touched  
on. The fishery from the time of  
gathering of spatt to the collection  
of cockles for market is described.  
Estimate of yearly production & the  
economics of the industry; food value  
is compared with that of other shell-

59-6078  
(Card 2)  
fish & beef & indicates that it is  
source of protein food.

Nghi, N.N. (1958) 59-6082  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 24  
Contribution à l'étude du nuco-man  
condensé au Vietnam (Contribution  
to the study of "condensed nuco-man"  
in Vietnam)

Lusyne, P.A. (1958) 59-6080  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 26  
Considerations on fishermen's  
training

Tran-Van-Tri (1958) 59-6083  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 23  
The motorisation of fishing craft at  
Viet-Nam

Kristjonsson, H. (1958) 59-6081  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 25  
Underwater electric lamps for light  
fishing

Teshima, K. (1958) 59-6084  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
TECH 22  
Fisheries finance in Japan

Soejarwidodo (1958) 59-6085  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 17

Preliminary experimentation on the use  
of coconut oil in canned fish and the  
suitability of processing methods

SJH:x

Suriyong, K. & al. (1958) 59-6088  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 9

Notes on fisheries technological  
research in Thailand

SJH:x

Gunasekera, C. (1958) 59-6086  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 12

Utilization of fish liver residues

SJH:x

Sulit, J.I. & 59-6089  
S.V. Laron (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 7

Studies on the processing and storage  
of dried split-salted bisugo (Nemi-  
pterus spp.)

SJH:x

Bisalyaputra, U. & 59-6087  
K. Suriyong (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 11

Notes on tests in Thailand on the  
acceptability of good quality fish meal  
for human consumption

SJH:x

Sulit, J.I., D.L. Calvez 59-6087  
& F.R. Gonzales (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 6

Preparation of dehydrated fish meat

SJH:x



Lafont, R. (1958) 59-6091  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 4

Note sur la preparation de farine de poisson à partir des residus provenant de la fabrication des graisses de poissons d'eau douce du Cambodge: utilisation directe dans l'alimentation des volailles de la farine non deshuilée (Note on the preparation of fish meal from residues of the manufacture of fats from fresh water fishes of Cambodia: utilization of this fish meal before oil extraction for chicken feeding)

SJH:x

Miyamoto, H. & 59-6094  
A.T. Shariff (1958)

IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 1

Experiments on fishing net preservation

SJH:x

Hardjohutomo, H. (1958) 59-6092  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 3

Lowering the solidification point of coconut oil

SJH:x

IPFC (1958) 59-6095  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

VP 6

Report of technical committee II for the period between the 7th and 8th sessions of the council (as at 30 September 1958)

SJH:

MF

Scott, J.S. (1958) 59-6093  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

TECH 2

Storage of dried fish

SJH:x

Nielsen, E.Steemann (1958) 59-6096  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/

VP 7

Communication concerning a central agency for <sup>14</sup>C determination (measurements of primary production in the sea) at Charlottenlund Slot, Denmark

SJH

M

IPFC (1958) 59-6097  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 8

Report on the status of the industry

A review, by counting, for the Indo-Pacific area, with list of recent publications.

SJH:sjh

MF

IPFC (1958) 59-6100  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 13

Projects and proposals related to the Indo-Pacific region

SJH:

M

IPFC (1958) 59-6098  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 11

Report of the executive committee

SJH:

MF

FAO Fisheries Division 59-6101  
Economics Branch (1958)  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 14

FAO Indo-Pacific training centre in fishery statistics

SJH:

MF

IPFC (1958) 59-6101  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 12

Indo-Pacific fisheries year

SJH:

MF

IPFC (1958) 59-6102  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 15

Report of the Sub-committee on fish marketing - Review of government fish marketing activities in the Indo-Pacific region

SJH:

MF

IPFC (1958) 59-6103  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 18

Record of exchanges made by technical committee I in the inter-sessional period since the seventh session of the council with regard to the subjects under discussion at the seventh session

SJH:

MF

IPFC (1958) 59-6106  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 23

Symposium: improved types of fishing from small mechanised boats

SJH:

M

IPFC (1958) 59-6104  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 19

Questionnaire on edible molluscs

SJH:

MF

IPFC (1958) 59-6107  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 24

Report of the chairman of the working group on fishculture in rice fields

SJH:

F

IPFC (1958) 59-6105  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 20

FAO fisheries activities in the region

SJH:

MF

Schuster, W.H. (1958) 59-6108  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 25

Synopsis of biological data on milkfish Chanos chanos (Forsk.) 1775

1st draft summary & review according to standard pattern of information accumulated in Species & Stock Thesaurus of FAO Fish.Div., Biology Branch. See also 585762.

SJH:sjh

MF



IPFC (1958) 59-6109  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 26  
Report of the work of the Hilsa sub-  
committee during the period after the  
7th session of the Indo-Pacific  
Fisheries Council

SJH:

MF

Henderson, C.R. & al. (1959) 59-6112  
Biometrics, 15:192-218  
The estimation of environmental and  
genetic trends from records subject  
to culling

2 methods for separation of genetic &  
environmental time trends are  
presented & compared. The reason the  
classical approach to this problem  
yields biased estimates is described  
in standard terminology. 1st method  
is ill. with a numerical example &  
partial examination of a set of data  
is used to ill. some of the assumptions  
of the estimation of parameters.  
FAO:crh G

FAO. Fisheries Division (1958) 59-6110  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 27  
Note on the present position regarding  
the development of a surf going beach  
landing fishing boat in India

SJH:

M

Baltus, E. (1959) 59-6113  
Biochim.biophys.Acta, 33:337-9  
Evolution de l'aldolase dans les  
fragments anucléés d'Acetabularia  
(Evolution of aldolase in enucleated  
fragments of Acetabularia). En

Measurements of aldolase activity in  
enucleated fragments of A. mediterranea  
have shown that this enzyme can be  
synthesized in the cytoplasm of the  
algae in the absence of the nucleus.

FAO:eb

M

Miyamoto, H. (1958) 59-6111  
IPFC 8th Sess.Pap.(mimeo), IPFC/C58/  
WP 53  
The organization of the central  
fisheries technological research  
station, Cochin, India and outline of  
the programme of work in the station

SJH:

M

Heydorn, A.E.F. (1959) 59-6114  
Invest.Rep.Div.Fish.S.Afr., (36):55 p.  
The South African pilchard (Sardinops  
ocellata) and maasbanker (Trachurus  
trachurus) - The Chaetognatha off the  
west coast of the Union of South  
Africa

Hydrography of area; occurrence &  
distribution of Sagitta spp., their  
association with water types &  
occurrence of pilchard eggs; possible  
harmful predatory activity.

FAO:sjh

M

Barnes, H. (1959) 59-6115  
Canad.J.Res.(Zool.), 37:231-6  
Stomach contents and microfeeding of  
some common cirripedes

An account of the stomach contents of  
some common barnacles incl. intertidal  
& sublittoral spp. With some spp. a  
particle size analysis was possible on  
a pooled sample of stomach contents.

FAO:hr

M

Laird, M. (1959) 59-6118  
Canad.J.Res.(Zool.), 37:283-8  
Caliperia brevipes n.sp. (Ciliata:  
Peritricha), epizoid on Raja erinacea  
Mitchill at Saint Andrews, New  
Brunswick

2 adults of the common skate, or  
tobacco box, trawled in Passamaquoddy  
bay, N.B., in June 1958, bore myriads  
of peritrichous ciliates on & about  
the free edges of the gill filaments.  
The morphology of these epibionts  
refers them to the genus Caliperia.  
Comparisons are drawn between these  
organisms & Ellobiophrya donacis  
Chatton & Lwoff.

FAO:ml

M

Barnes, H. & 59-6116  
M. Barnes (1959)  
Canad.J.Res.(Zool.), 37:237-44  
The naupliar stages of Balanus  
hesperius Pilsbry

The details of morphology of the 6  
naupliar stages of B. hesperius are  
described, the material being referable  
to the forma laevidomus of Pilsbry. The  
general pattern of development conforms  
to that of other nauplii & is  
remarkably similar in all balanids.  
Tables of sizes & setation are given.

FAO:hb

M

Davies, D.M. (1959) 59-6119  
Canad.J.Res.(Zool.), 37:353-69  
The parasitism of black flies (Diptera,  
Simuliidae) by larval water mites  
mainly of the genus Sperchon

Larval sperchonid hydracarina,  
possibly Sperchon jasperensis Marshall  
parasitized adult simuliids in Canada.  
All stages of the water mites were  
found during the summer. Larval mites  
gained access to adult black flies as  
they emerged. Parasitism occurred from  
spring until fall.

FAO:dmd

F

Myers, B.J. (1959) 59-6117  
Canad.J.Res.(Zool.), 37:245-6  
Parasites from Elasmobranch hosts from  
the Magdalen islands region of the gulf  
of St. Lawrence

A list of spp. of Cestodes, Trematodes  
& Nematodes parasites of Raja laevis,  
R. ocellata, R. radiata, Lamna nasus &  
Squalus acanthias.

FAO:hr

M

Myers, B.J. (1959) 59-6120  
Canad.J.Res.(Zool.), 37:378  
The stomach contents of harp seals  
(Phoca groenlandica Erxleben) from  
the Magdalen islands, Quebec

Of the 195 adult individuals examined,  
the stomach of 107 contained Clupea  
harengus, flatfish, Sebastes marinus,  
Glyptocephalus cynoglossus, Hippo-  
glossoides platessoides & Aphrodita sp.

FAO:hr

M

DeWitt, R.M. & 59-6121  
W.C. Sloan (1959)  
Anim.Behav., 7(1-2):81-4  
Reproduction in Physa pomilia and  
Helisoma duryi

Results of studies on these herma-  
phrodite aquatic pulmonate snails from  
Florida of the relation of age at  
maturity & number & viability of eggs  
per individual to the existence of  
opportunities for cross-fertilization.

SJH:sjh

F

Sutherland, N.S. (1959) 59-6124  
Anim.Behav., 7(1-2):111  
A test of theory of shape  
discrimination in Octopus vulgaris  
Lamark

Short version of paper read at Joint  
Meeting of Association for the Study  
of Animal Behaviour & the Experimental  
Psychology Group at Cambridge, 26-27/  
3/58; describing a hypothetical  
mechanism & its test by experiments  
involving discrimination training on  
different pairs of shapes.

SJH:sjh

M

Clark, R.B. (1959) 59-6122  
Anim.Behav., 7(1-2):85-90  
The tubicolous habit and the fighting  
reactions of the polychaete Nereis  
pelagica

Laboratory study of events occasioning  
aggressive behaviour & method of  
fighting when one of these marine worms  
attempts to occupy the tube in which  
another is living. Comparison with  
habit of other spp. of the genus.

SJH:sjh

M

Wells, M.J. (1959) 59-6125  
Anim.Behav., 7(1-2):111-2.  
Tactile discrimination in Octopus

Short version of paper read at Joint  
Meeting of Association for the Study  
of Animal Behaviour & the Experimental  
Psychology Group at Cambridge,  
26-27/3/58; describing experiments on  
discrimination of pairs of objects by  
blinded animals, indicating that this  
animal learns to recognise objects by  
characteristic frequencies their  
surface textures produce in the arm  
nerves, & that the integration of work  
performed by the brain is relatively  
simple.

SJH:sjh

M

Trotter, J.R. (1959) 59-6123  
Anim.Behav., 7(1-2):107  
An aid to field observation

Ill. description of a portable & stable  
instrument, clockwork, which permits  
automatic recording of the time at  
which field observations are noted by  
pencil on a moving paper strip.

SJH:sjh

G

Mansfield, A.W. (1959) 59-6126  
London, H.M.S.O.

The breeding behaviour and reproductive  
reproductive cycle of the weddell  
seal

Deals with the breeding behaviour  
of mature cows of Leptonychotes  
weddelli Lesson, & is based on  
observations at Signy island in the  
South Orkneys during 1952-53. Ill.  
with photographs, maps, & diagrams.

:ab

M



Anonymous (1959) 59-6127  
Research, Lond., 12:241-2  
Water Pollution Research Laboratory

Note on work of this British laboratory, on non-foaming detergents & the effect of increased radio-activity on fish & aquatic plants, with ill. of aerial photographic method of studying distribution of river vegetation.

FAO:sjh

F

Le Cren, E.D. (1958) 59-6130  
J.Anim.Ecol., 27:287-334

Observations on the growth of perch (Perca fluviatilis L.) over twenty-two years with special reference to the effects of temperature and changes in population density

A detailed statistical analysis is presented, with observations also on food & fecundity changes; sex differences in growth; effects of intensive experimental fishery on the characteristics of this stock are described.

FAO:sjh

F

O'Gower, A.K. (1959) 59-6128  
Proc.Linn.Soc.Lond., 83(388):245-50  
The oviposition behaviour of Aedes australis (Erickson) (Diptera, Culicidae)

A study of the interaction of factors on the selection of an oviposition site by the sp. showed that the preference for a moist, porous surface over a free, water surface so influenced the oviposition behaviour that texture, reflectance & salinity had little effect upon it.

GLK:hr

MF

Davies, L. & 59-6131  
C.D. Smith (1958)

J.Anim.Ecol., 27:335-48  
The distribution and growth of Prosimulium larvae (Diptera: Simuliidae) in hill streams in Northern England

Describes certain features of altitudinal distribution of P. hirtipes & P. inflatum & hypothesis is put forward to explain them.

FAO:sjh

F

Lundin, S.J. (1959) 59-6129  
Biochem.J., 72:210-4  
Acetylcholinesterase in goldfish muscles - Studies on some substrates and inhibitors

Electrometric measurements of enzyme activity in Carassius auratus.

FAO:sjh

F

Gilchrist, B.M. (1958) 59-6132  
J.Anim.Ecol., 27:402  
/A key to the British species of freshwater Cladocera/

Review of 59-2632.

FAO:

F

Kimmins, D.E. (1958) 59-6133  
J.Anim.Ecol., 27:402-3  
/A key to the adults and nymphs of  
British stone-flies (Plecoptera)

Review of 59-5479.

FAO:

F

Duncan, C.J. (1959) 59-6136  
J.Anim.Ecol., 28(1):97-117  
The life cycle and ecology of the  
freshwater snail Physa fontinalis (L.)

General account of biology of this  
pulmonate in Stanmore pond, Middlesex,  
with special reference to reproductive  
cycle.

SJH:sjh

F

Wickstead, J. (1959) 59-6134  
J.Anim.Ecol., 28(1):69-72  
A predatory copepod

Study of plankton samples from  
Singapore area; biology of Candacia  
bradyi A. Scott which preys on  
chaetognaths, particularly Sagitta  
enflata Grassi.

SJH:sjh

M

Crisp, D.J. (1959) 59-6137  
J.Anim.Ecol., 28(1):119-32  
The rate of development of Balanus  
balanoides (L.) embryos in vitro

Laboratory studies, indicating  
relation of rate of development to  
temperature, & respiration rates.

SJH:sjh

M

Weatherley, A.H. (1959) 59-6135  
J.Anim.Ecol., 28(1):73-87  
Some features of the biology of the  
tench Tinca tinca (Linnaeus) in  
Tasmania

Review of biology of the sp. Aquarium  
tests of lethal temperatures;  
tolerance of CO<sub>2</sub> & salinity; food &  
feeding, determined by stomach contents  
& by experiments; growth rate;  
condition factors.

SJH:sjh

F

Guthrie, D.M. (1959) 59-6138  
J.Anim.Ecol., 28(1):141-52  
Polymorphism in the surface water bugs  
(Hemipt.-Heteropt: Gerroidea)

Many spp. exhibit a bimodal poly-  
morphism of the alary apparatus, &  
occur commonly as small, isolated  
populations convenient for study. The  
present work describes an investigation  
into the determination & maintenance  
of this polymorphism in 3 spp. of  
Gerris.

SJH:sjh

F

Le Cren, E.D. (1959) 59-6139  
J.Anim.Ecol., 28(1):157-9  
/On the dynamics of exploited fish populations/

Review of 581530.

SJH:

MF

Marshall, H.B. (1959) 59-6142  
J.Anim.Ecol., 28(1):166  
/Up to the names of British fishes, mammals, amphibians and reptiles/

Review of original publication by R.D. Macleod, 1956, London, Pitman, 71 p. Scientific names are considered in the 1st part of the book, the common names in the 2nd. The meaning & derivation of these names are given as far as they are known, but before this comes an introductory section giving the purpose & plan of the book, some grammatical principles & some account of the origins of

Varley, G.C. (1959) 59-6140  
J.Anim.Ecol., 28(1):160-1  
/Animal ecology today/

Review of 585666.

SJH:

G

59-6142  
(Card 2)  
scientific & common names.

SJH:nbm

MF

Nichols, D. (1959) 59-6141  
J.Anim.Ecol., 28(1):162-3  
/Treatise on marine ecology and paleoecology. I. Ecology/

Review of 583211.

SJH:

MF

Rounsefell, G.A. & 59-6144  
J.E. Evans (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(270):57 p.

Large-scale experimental test of copper sulfate as a control for the Florida red tide

About 16 square miles stretching along 32 miles of shoreline from Anclote Key to Pass-a-grille Beach, off St. Petersburg, Florida, were dusted with copper sulfate ( $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ ) at about 20 pounds to the acre by crop-dusting planes. Changes in the concentrations of the red-tide organism are described.  
GLK:gar M



U.S. Bureau of Commercial 59-6145  
Fisheries. Branch of Economics (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(277):311 p.  
Survey of the United States shrimp  
industry - Vol. I

A comprehensive examination of the  
shrimping grounds, vessel construction  
fishing operations, fishing costs,  
processing plant efficiency,  
processing costs, trends in  
distribution, packaging, storing,  
shipping, per capita consumption,  
prices, wholesaling, retailing,  
merchandising, & consumer preferences.

Guenther, R.W. & al. (1959) 59-6148  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(296):10 p.  
Etiology of sockeye salmon "virus"  
disease

Violent epizootics among hatchery  
fingerlings, Oncorhynchus nerka,  
caused by a filterable agent have  
occurred. One source of filterable  
agent was found to be adult sockeye  
viscera used in the diet. Infection  
may be transmitted to fingerlings from  
a water supply to which adults  
have access.

GLK:rwg

MF

59-6145  
(Card 2)  
Chapter on conclusions &  
recommendations. Particular reference  
to Penaeus & also Pandalus, Crango,  
Crangon & Palaemonetes spp., on  
Atlantic & Pacific coasts from gulfs  
of Panama & Mexico to Alaska & New  
England.

GLK:bef

M

Buss, K. (1959) 59-6149  
Penn.Angler, 28(4) 18-9  
Bottled trout

A popular description of the use of  
32-02 polyethylene bottles to  
incubate trout eggs for experimental  
purposes.

WAD:wad

F

Lennon, R.E. & 59-6147  
P.S. Parker (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(280):11 p.  
Applications of salt in electro-  
fishing

Describes efficiency of rainbow  
brook trout capture by electrofishing,  
in salted & salt-free sections of  
large & small, high & low, cold & warm  
streams of high resistivity in  
southern Appalachian mountains.

GLK:efa

F

Moran, P.A.P. (1959) 59-6150  
Aust.J.biol.Sci., 12:109-16  
The theory of some genetical effects  
of population subdivision

Effects of subdivision into partially  
isolated subgroups are considered in  
2 particular cases. A probability  
model is studied in which the sub-  
populations are of finite size with  
migration between them. In the 2nd case  
a deterministic model is studied  
in which there are 2 subpopulations in  
which selective forces are equal &  
opposite.

GLK:papm

G

Maurin, C. (1959) 59-6151  
Sci.Pêche, (67-68):11 p.  
Premiers resultats des recherches  
effectuées par le PRESIDENT THEODORE  
TISSIER sur les fonds chalutables de  
la Méditerranée occidentale  
(First results of the research carried  
out by the PRESIDENT THEODORE TISSIER  
on the trawling grounds of the Western  
Mediterranean)

A report on general features of the  
trawl fishery on the French coast of  
the Mediterranean, results of trawling  
experiments on the Catalan coast of  
Spain, southwest region of the gulf of

Beck, E.C. & 59-6154  
W.M. Beck, Jr. (1959)  
Bull.Fla St.Mus., 4(3):85-97  
A checklist of the Chironomidae  
(Insecta) of Florida (Diptera:  
Chironomidae)

An annotated list of 110 spp. of  
which 79 were described from North  
America, 9 of them from Florida, 18  
from Europe, 3 from Central or South  
America, & one from Asia. Incl.  
information on geographic & annual  
distributions of adults.

FAO:hr

F

59-6151  
(Card 2)  
Lion, Marseille, Ligure & Provencale  
coasts, Gulf of Genes & Corsica. As  
a result of the observations made it  
was concluded that trawling is  
possible in depths of 200 & 700 m.

FAO:hr

M

Okada, Y. & 59-6155  
S.S. Kubota (1957)  
Jap.J.Ichthyol., 5(3-4-5-6):143-5  
Description of a new fresh water cat-  
fish, Coreobagrus ichikai, with an  
emendation of the genus Coreobagrus  
Mori

F

Mann, K.H. (1959) 59-6153  
Proc.zool.Soc.Lond., 132:369-79  
On Trocheta bykowskii Gedroyé, 1913, a  
leech new to the British fauna, with  
notes on the taxonomy and ecology of  
other Erpobdellidae

Taxonomic description, anatomy.

FAO:sjh

F

Okada, Y. & 59-6156  
S. Kubota (1957)  
Jap.J.Ichthyol., 6(4-5-6):128-30  
The mingling fishes in eel-culture  
pond examined concerning the salt and  
fresh water adaptabilities - I.  
Preliminary consideration for the  
decision of the experimental  
materials

MF

Baylor, E.R. & F.E. Smith (1957) 59-6157  
 "In" 584170:21-35  
 Diurnal migration of plankton crustaceans

A critical literature review, with detailed reference to experiments with Daphnia magna.

Wiersma, C.A.G. (1957) 59-6160  
 "In" 584170:143-59  
 Neuromuscular mechanisms

A critical literature review, with reference to crustaceans, molluscs, echinoderms, annelids, coelenterates & tunicates.

FAO:sjh

MF

FAO:sjh

MF

Passano, L.M. (1957) 59-6158  
 "In" 584170:37-49  
 Prey-predator recognition in the lower invertebrates

A critical literature review, with reference to carnivorous molluscs, polychaetes, echinoderms, & coelenterates.

Welsh, J.H. (1957) 59-6161  
 "In" 584170:161-71  
 Neurohormones or transmitter agents

A critical literature review, with special reference to studies of Venus mercenaria, Sesarma reticulata, Gallinectes, Haetra, Cetopus, Loligo, Ensis, Mytilus & Carcinus.

FAO:sjh

MF

FAO:sjh

MF

Pringle, J.W.S. (1957) 59-6159  
 "In" 584170:99-115  
 Myogenic rhythms

A critical literature review, with reference to fishes, molluscs & crustaceans.

Kleinholz, L.H. (1957) 59-6162  
 "In" 584170:173-96  
 Endocrinology of invertebrates, particularly of crustaceans

A critical review of literature, with particular reference to studies of Carcinus, Palaemonetes, Carcinides, Leander, Crago, Uca, Cambarus, Pachygrapsus, Astacus, Homarus; also to Ciona, Phallusia & some gastropod molluscs.

FAO:sjh

MF

FAO:sjh

MF



Scheer, B.T. (1957) 59-6163  
 "In" 584170:213-27  
 The hormonal control of metabolism in  
 decapod crustaceans

A critical review of literature, with  
 reference to Panulirus, Cancer,  
Homigrapsus, Callinectes, Uca, Carcinus,  
Homarus, Leander, Cambarus & Astacus.

FAO:sjh

MF

Krijgsman, B.J. & 59-6166  
 N.E. Krijgsman (1957)  
 "In" 584170:277-86  
 Some features of the physiology of  
 the tunicate heart

A critical review of literature, with  
 detailed reference to experiments  
 with Ciona, Ascidia & Polycitor.

FAO:sjh

II

Robertson, J.D. (1957) 59-6164  
 "In" 584170:229-46  
 Osmotic and ionic regulation in  
 aquatic invertebrates

A critical review of literature, with  
 reference to many crustacea, molluscs,  
 cephalopods & other invertebrates.  
 Detailed data for many commercial spp.,  
 incl. Cancer, Homarus, Nephrops,  
Anodonta, Sepia, Pecten, Loligo,  
Panulirus, Maia, Carcinus, Eriocheir &  
Mytilus.

FAO:sjh

MF

Sramek-Husek, R. (1957) 59-6167  
Mém.Soc.zool.tchécosl., 21(2):159-63  
K rozšíření a ekologii Tropocyclops  
prasinus na Moravě (On the  
 distribution and ecology of Tropo-  
cyclops prasinus in Moravia)

FAO:sjh

F

Martin, A.W. (1957) 59-6165  
 "In" 584170:247-76  
 Recent advances in knowledge of  
 invertebrate renal function

A critical review of literature, with  
 reference to Anodonta, Octopus,  
Cambarus, Homarus, Palaemon, Sepia,  
Carcinus, Cancer & Palaemonetes.

FAO:sjh

MF

Toker, H. & 59-6168  
 K. Wuhrmann (1957)  
Rev.suisse Zool., 64(11):253-62  
Die Reaktion der Bachfauna auf  
Gewässervergiftungen (The  
 reaction of river fauna to water  
 pollution)

FAO:sjh

F

Donaldson, P.W.K. (1958) 59-616  
U.K. Butterworths sci. Publ., 318 p.  
Electronic apparatus for biological  
research

Wells, M.J. & 59-6172  
J. Wells (1958)  
J.exp.Biol., 35(2):337-48  
The effect of vertical lobe removal  
on the performance of octopuses in  
retention tests

MF

M

Wells, M.J. & 59-6170  
J. Wells (1957)  
J.exp.Biol., 34(4):40-77  
Repeated presentation experiments and  
the function of the vertical lobe in  
Octopus

Croghan, P.C. (1958) 59-6173  
J.exp.Biol., 35(1):213-8  
The survival of Artemia salina (L.)  
in various media

MF

MF

Wells, M.J. & 59-6171  
J. Wells (1958)  
J.exp.Biol., 35(2):324-36  
The influence of preoperational  
training on the performance of  
octopuses following vertical lobe  
removal

Anonymous (1957) 59-6174  
Progr.Rep.Seikai reg.Fish.Res.Lab.,  
1956:1-111  
The investigations of demersal fish  
resources in the East China and the  
Yellow Seas - (4)

MF

M

Ferguson, F.F., J. Oliver- 59-6175  
 Gonzáles & J.R. Palmer (1958)  
Amer.J.trop.Med.Hyg., 7(5):491-3  
 Potential for biological control of  
Australorbis glabratus, the inter-  
 mediate host of Puerto Rican schisto-  
 somiasis

HA 27(2)80k. Progress of scheme to  
 introduce the snail Marisa cornuarietis  
 as an agent to control Australorbis.  
 Of 10 ponds in which Marisa was  
 successfully established, 8 were  
 originally infested with A. glabratus  
 & in all of them this sp. had  
 disappeared after 2 years.

sha

F

Webbe, G. & 59-6178  
 A.S. Msangi (1958)  
Ann.trop.Med.Parasit., 52(3):302-14  
 Observations on three species of  
Bulinus on the east coast of Africa

HA 27(2)85k. Prolonged observations  
 on a number of water bodies in the  
 Tanga district, Tanganyika. 3 spp.  
 of Bulinus, all belonging to the sub-  
 genus Physopsis were found in these  
 habitats & observations on their  
 biology are recorded. Incl. age  
 composition of snail populations  
 throughout the year, incidence of  
 trematode infections, ability to

Dollfus, R.P. (1958) 59-6176  
Ann.Parasit.hum.comp., 33(3):227-31  
 Sur Macraspis cristata (E.C. Faust et  
 C.C. Tang 1936) H.W. Manter 1936 et sur  
 une émendation d'un accipitriforme  
 d'Afrique occidentale (On Macraspis  
cristata (E.C. Faust & C.C. Tang 1936)  
 H.W. Manter 1936 and on an emendation  
 of an accipitriform of West Africa)

HA 27(2):82d. Identifies 2 whole  
 specimens & a number of fragments  
 collected from the gall-bladder of  
Mustelus (Cynias) canis off the coast  
 at Dakar. Describes the morphology. In  
 a note added in proof records

59-6178  
 (Card 2)  
 withstand desiccation & probable  
 survival of trematode infection.

sha

F

59-6176  
 (Card 2)  
Scoliodon terraenovae & Rhinobatus  
cemiculus as new hosts of Macraspis  
cristata.

sha

M

Smithers, S.R. (1958) 59-6180  
Ann.trop.Med.Parasit., 52(3):315-9  
 Attempted control of Bulinus  
senegalensis Müller, a vector of  
Schistosoma haematobium in the Gambia

HA 27(2)85l. Reports results of field  
 experiments in the use of sodium  
 pentachlorophenate as a molluscicide  
 against B. senegalensis in laterite  
 pools in the Gambia.

sha

F



Dollfus, R.P. & A. Capron (1958) 59-6181  
Bull.Inst.franç.Afr.noire, 20(2):311-9  
 Un Aephniidiogenes (Trematoda Digenea)  
 chez un Labrax (Serranidae) du Sénégal  
 (An Aephniidiogenes, Trematoda Digenea,  
 from a Labrax, Serranidae, of Senegal)

HA 27(2)97d. Discusses the known sp. of  
Aephniidiogenes & ill. & describes  
A. senegalensis n.sp. from L. punctatus  
 at Dakar. The 1st sp. of this genus  
 to be recorded from a host other than  
 a member of the Pomadasyidae & a new  
 geographical record.

:ha

M

Ezzat, M.A.E., G. Tadros & M.I.A. El Halim (1958) 59-6184  
~~Human schistosomes and other~~  
 trematodes in sea-lions, Zalophus  
californianus from Giza Zoological  
 Gardens. Ar

HA 27(2)99a. Report for the 1st time  
 the finding of Schistosoma haematobium  
 & S. mansoni & of Heterophyes  
heterophyes in sea lions.

Blanc, M. & al. (1958) 59-6182  
Bull.Inst.franç.Afr.noire, 20(2):634-74  
 Recherches sur la prophylaxie de  
 l'onchocercose en A.O.F. - I. Etude  
 hydrobiologique de la Bougouri-Bâ et  
 essais de désinsectisation  
 (Investigations on the prophylaxis  
 against onchocerciasis in F.W.A. - I.  
 Hydrobiological study of the Bougouri-Bâ  
 river and experiments of eradication of  
 the insect)

HA 27(2)97e. Detailed account of  
 investigations into the problem of  
 preventing onchocerciasis along the  
 course of the Bougouri-Bâ river in  
 French West Africa. After describing

Gaud, J. (1958) 59-6185  
Bull.World Hlth Org., 18(5-6):751-69  
 Rythmes biologiques des mollusques  
 vecteurs des bilharzioses. Facteurs  
 saisonniers et climatiques influençant  
 le cycle de reproduction de Bulinus  
truncatus et de Planorbarius  
metidjensis en Afrique du Nord

(Biological rhythms of mollusc vectors  
 of bilharziasis. Seasonal & climatical  
 factors influence the reproduction  
 cycle of Bulinus truncatus & Planor-  
barius metidjensis in North Africa)

HA 27(2)103c. Seasonal & climatic  
 factors have an action on vector

59-6182 (Card 2)  
 the topography of the area they present  
 the results of their physico-chemical  
 studies of the local waters, tabulate  
 & discuss its piscine fauna, & then  
 proceed to a detailed discussion of the  
 biology & ecology of the local sp. of  
Simulium. Description of experiments  
 on the eradication of the simuliid  
 vectors by the use of larvicides.

:ha

F

59-6185 (Card 2)  
 biology. 2-year study of Bulinus  
 showed life span can be up to 21  
 months. There is a close parallel  
 between growth & fecundity, & water  
 temperature.

:ha

F

Malek, A.E. (1958) 59-6187  
Bull. World Hlth Org., 18(5-6):785-818  
 Factors conditioning the habitat of  
 bilharziasis intermediate hosts of the  
 family Planorbidae. Fr

HA 27(2)103e. Altitude does not affect  
 planorbid distribution. Temperature  
 has little effect but does affect  
 reproduction. High turbidity of water  
 is an unfavourable factor as are also  
 swift currents which Bulinus can with-  
 stand better than Biomphalaria or  
Physopsis. Moderate pollution by human  
 & animal excreta is a favouring factor.

:ha

F

59-6189  
 (Card 2)  
 is largely confined to stagnant or  
 slowly flowing streams & the snail  
 prefers polluted water. An abundant  
 growth of unicellular algae is  
 essential to the establishment of  
 breeding colonies.

ha

F

Harry, H.W. & 59-6188  
 D.V. Aldrich (1958)  
Bull. World Hlth Org., 18(5-6):819-32  
 The ecology of Australorbis glabratus  
 in Puerto Rico. Fr

HA 27(2)103f. The vector of Schistosoma  
mansoni infections has an irregular  
 distribution. The incidence of the  
 disease is highest in the low-lying  
 alluvial areas, although stream  
 gradient is not the only factor  
 favouring snail infestation.

:ha

F

Barbosa, F.S. & 59-6191  
 L. Olivier (1958)  
Bull. World Hlth Org., 18(5-6):895-908  
 Studies on the snail vectors of  
 bilharziasis mansoni in north-  
 eastern Brazil. Fr

HA 27(2)103h. In NE Brazil Schistosoma  
mansoni infections are transmitted by  
Australorbis glabratus & Tropicorbis  
centimetalis.

ha

F

Watson, J.M. (1958) 59-6189  
Bull. World Hlth Org., 18(5-6):833-94  
 Ecology and distribution of Bulinus  
truncatus in the Middle East. With  
 comments on the effect of some human  
 activities in their relationship to the  
 snail host on the incidence of  
 bilharziasis haematobia in the Middle  
 East and Africa. Fr

HA 27(2)103g. A survey of factors  
 affecting the vector distribution over  
 an area of several millions of square  
 miles, with an especial comparison of  
 the conditions in the valleys of the  
 Nile & Tigris-Euphrates. Infestation

Buttner, A. (1958) 59-6192  
Bull. World Hlth Org., 18(5-6):909-29  
 Le complexe 'mollusque-schistosome'  
 au Brésil (The "schistosome"  
 complex in Brazil). En

HA 27(2)103i. There has been a rapid  
 invasion by Schistosoma mansoni.  
 2 spp. of Planorbidae, Australorbis  
glabratus & A. centimetalis  
 are responsible, the former in the  
 south & the latter in the north-east.

:ha

F

Wright, W.H., C.G. Dobrovolsky 59-6193  
& E.G. Berry (1958)  
Bull. World Hlth Org., 18(5-6):963-74  
Field trials of various molluscicides  
(chiefly sodium pentachlorophenate) for  
the control of aquatic intermediate  
hosts of human bilharziasis. Fr

HA 27(2)103l. Field trials of 38  
chemicals as molluscicides were  
conducted in various states of Brazil,  
& a pilot trial of an area 25 sq.km  
was carried out in Egypt with sodium  
pentachlorophenate.

:ha

F

Marill, P.G. (1958) 59-6196  
Bull. World Hlth Org., 18(5-6):1064-70  
Sur les variations de la composition  
chimique de l'eau et les variations  
d'abondance de Bulinus truncatus  
Audouin (On the variations of the  
chemical composition of water & the  
variations in the abundance of  
Bulinus truncatus Audouin)

HA 27(2)103u. A survey of a siphon  
well & a balancing tank in the Oran  
area revealed the presence of Bulinus  
Physa & Melanopsis spp.

:ha

F

Lanoix, J.N. (1958) 59-6194  
Bull. World Hlth Org., 18(5-6):1011-35  
Relation between irrigation engineering  
and bilharziasis. Fr

HA 27(2)103o. Points out that spread  
by irrigation is the most menacing  
feature of the Bulinus problem &  
stresses that wherever possible the  
irrigation channels should be lined.

:ha

F

Alves, W. (1958) 59-6197  
Bull. World Hlth Org., 18(5-6):1071  
Chemical constituents of surface  
water in Southern Rhodesia, with  
special reference to the molluscan  
vectors of bilharziasis

HA 27(2)103v. 41 samples from snail-  
free waters showed high magnesium &  
low calcium content. 73 samples from  
snail-infested waters were usually  
polluted with human excreta.

:ha

F

Marill, P.G. (1958) 59-6195  
Bull. World Hlth Org., 18(5-6):1057-64  
Sur l'appréciation comparative de la  
richesse des gîtes en mollusques  
fluviaux notamment en Bulinus  
truncatus Audouin (On the  
comparative appreciation of the  
abundance of mollusk layers river with  
special regard to B. truncatus Audouin)

HA 27(2)103t. Carried out a survey, by means  
of home-made snail traps, of a small area  
of water about 35 km south of Algiers.  
A number of snails were found incl.  
Bulinus spp., Planorbis, Physa,  
Lymnaea & Ancylus.

:ha

F

Hubendick, B. (1958) 59-6198  
Bull. World Hlth Org., 18(5-6):1072-80  
Factors conditioning the habitat of  
freshwater snails

HA 27(2)103w. Limiting the concept of  
habitat to that part of the  
environment which affects the snails  
more or less directly & to which the  
snails give an ecological &  
physiological response. The ecological  
requirements of the different spp.  
which in the main have a wide  
ecological tolerance, differ  
quantitatively rather than  
qualitatively.

:ha

F



Miller, G.C. (1958) 59-6199  
Dissert. Abstr., 18(2):702  
 Digenetic trematodes in Louisiana  
 fresh-water fishes

HA 27(2)112a. 19 spp. of digenetic  
 trematodes - representing 11 families  
 & 17 genera - were collected during  
 the years 1954-57 from 629 fresh-water  
 fish - 14 families, 21 genera & 31  
 spp. - in Louisiana. These are listed.  
 The biology & ecology were also  
 studied.

:ha

F

Martin, .B. (1958) 59-6202  
J. Parasit., 44(3):305-18, 319-23  
 The life histories of some Hawaiian  
 heterophyid trematodes

HA 27(2)128f. Snails collected in  
 ditches around taro patches in Oahu  
 were examined. Centrocestus formosanus  
 & Haplorchis yokogawai were found in  
Stenomelania newcombi, H. taichui in  
Parabia granifera & Stellantchasmus  
fasciatus in both the snails. Studied  
 life-histories & gives descriptions  
 & measurements. H. taichui was  
 established naturally in Cambusia  
affinis, Mollienesia formosus, rarely

Komiya, Y. & al. (1958) 59-6200  
Jap. J. med. Sci. Biol., 11(1-2):15-20  
 The molluscicidal effect of sodium  
 pentachlorophenate and calcium  
 arsenite on Oncomelania hupensis, a  
 snail host of Schistosoma japonicum in  
 China

HA 27(2)122a. The latter compound,  
 being insoluble, may be more useful  
 when adjacent water is used for fish  
 culture.

:ha

F

59-6202  
 (Card 2)  
Mugil cephalus & experimentally  
 in Carassius auratus, H. yokogawai  
 experimentally in Clarias fuscus, &  
S. fasciatus naturally in M. cephalus.  
C. formosanus metacercariae were found  
 in C. affinis, Xiphophorus helleri &  
 & occasionally in M. cephalus.  
 Experimentally infection was  
 successful in goldfish.

:ha

F

Fotedar, D.N. (1958) 59-6201  
J. Helminth., 32(1-2):1-16  
 On a new caryophyllaeid cestode,  
Adenoscolex oreini gen. et sp. nov.  
 from fresh-water fish in Kashmir, and  
 a note on some related genera

HA 27(2)126a. Described & figured from  
Oreinus sinuatus in Kashmir, belongs  
 in the Capingentinae & is similar to  
Pseudolytocestus.

:ha

F

Novak, G.E. & 59-6204  
 A.G. Pilipenko (1958)  
Med. Parazit. Bolezni, 27(3):264-70  
 (Study of Opisthorchis infection and  
 its control in the Sumy region of the  
 Ukraine). Ru En

HA 27(2)133b. The centres of infection  
 are situated near rivers & are  
 maintained by the local custom of  
 eating raw, slightly salted fish.

:ha

F

Razumova, E.P. (1958) 59-6205  
Med.Parazit.Bolezni, 27(3):271-5  
 (The epidemiology of Diphyllbothrium  
 infection among water transport workers  
 and their families). Ru En

HA 27(2)133c. Village near lake Ladoga  
 was examined. Infection did not depend  
 on occupation but on the use in food  
 of raw pike roe & rose to a maximum in  
 spring during spawning of the fish.

:ha

F

Yamaguti, S. (1958) 59-6208  
Publ.Seto mar.biol.Lab., 6(3):369-84  
 Studies on the helminth fauna of  
 Japan - Part 52. Trematodes of fishes,  
 XI

HA 27(2)149a. Aerobiotrema  
muraenesocis n.g., n.sp. is described  
 & figured from the air-bladder of  
Muraenesox cinereus; Opecoelus lateo-  
labracis n.sp., from the small  
 intestine of Lateolabrax japonicus;  
O. sebastisci n.sp., from the small  
 intestine of Sebastiscus marmoratus;  
O. pagrosomi n.sp., from the small  
 intestine of Pagrosomus unicolor;

Rigby, J.E. & 59-6206  
 D. Rawson (1958)  
Nature, Lond., 182:121-2  
 A new type of early cysticeroid stage  
 in a cyclophyllidean cestode

HA 27(2)135e. Describes a pre-cystic  
 cestode larva from the pulmonate snail  
Oxychilus cellarius. Older cysticeroids  
 resemble closely those of Choanotaenia  
infundibulum.

:ha

F

59-6208  
 (Card 2)  
Opegaster cryptocentri n.sp., from  
 small intestine of Cryptocentrus  
filifer; Biovarium lateolabracis n.sp.,  
 from small intestine of Lateolabrax  
japonicus; Diplopharyngotrema lateo-  
labracis n.g., n.sp., from small  
 intestine of L. japonicus; Pseudo-  
siphoderoides hapalogenyos n.g., n.sp.,  
 from small intestine of Hapalogenys  
sp.; & Proisorhynchus crucibulum  
japonicum n.subsp. from Conger  
myriaster.

:ha

MF

Velasquez, C.C. (1958) 59-6207  
Proc.helminth.Soc.Wash., 25(2):91-4  
 Notes on Azygia pristipomai Tubangui,  
 the genus Azygia and related genera  
 (Digenea: Azygiidae)

HA 27(2)147b. Amplifies Tubangui's  
 description of Azygia pristipomai.  
 Material was collected from Therapon  
argenteus & a fresh-water fish  
 commonly called 'ayungin (Tagalog)'.

:ha

F

Sparks, A.K. & 59-6210  
 V.E. Thatcher (1958)  
Trans.Amer.micr.Soc., 77(3):287-90  
 A new species of Stephanostomum  
 (Trematoda, Acanthocolpidae) from  
 marine fishes of the northern Gulf of  
 Mexico

HA 27(2)164d. Record of a new sp. of  
Stephanostomum, S. interruptum n.sp.  
 from Bairdiella chrysura, Micropogon  
undulatus, Cynoscion nebulosus &  
Ocyurus chrysurus from the Gulf of  
 Mexico. Described & ill., & compared  
 with 2 most closely related spp., S.  
cloacum & S. elongatum.

:ha

M

Martin, W. & 59-6211

A.H. Banner (1958)

Trans.Amer.micr.Soc., 77(3) 304-6

The effect of poisonous fish upon intestinal parasites

HA 27(2)164g. Laboratory rats & cats infected experimentally with known numbers of metacercariae of Centrocestus formosanus. Investigated the possible anthelmintic effect of Lutjanus bohar.

sha

F

East Africa High

59-6214

Commission (1959)

Jinja, Uganda, 48 p.

East African Fisheries Research Organization annual report 1958

Lists staff & publications & gives general account of work of the Organisation during 1958. Incl. articles 59-6215 to 59-6219.

SJH:sjh

F

Agapova, A.I. (1958) 59-6212

Trud.Inst.Zool., 9:25-31

(Peculiarities of the parasite fauna of fish acclimatized in the water reservoirs of Kazakhstan). Ru

HA 27(2)165d. No abstr.

F

Corbet, P.S. (1959) 59-6215

Rep.E.Afr.High Comm., 1958:21-37

The food of non-cichlid fishes in lake Victoria

Summary of data which will be published later in full. Deals with Bagrus docmac, Mormyrus kannume, Clarias mossambicus, Schilbe mystus, Protopterus aethiopicus. For each sp. gives stomach contents, size range of fish, changes in food with habitat, size, age of moon, type of bottom, lake or stream.

SJH:sjh

F

Sidorov, E.G. (1958) 59-6213

Trud.Inst.Zool., 9:32-41

(Parasites of fish in the river Nura and the Murinsk water reservoir). Ru

HA 27(2)165e. Lists, with notes on hosts & frequency, 25 trematode, 5 cestode, 4 nematode & 1 acanthocephalan spp. from 261 fish - belonging to 12 spp. - Specimens, probably Asymphyiodora demeli were found in Rutilus rutilus aralensis.

sha

F

van Someren, V.D. & 59-6216

P.J. Whitehead (1959)

Rep.E.Afr.High Comm., 1958:38-40

Notes on the culture of Tilapia nigra (Günther) in ponds

Deals with growth after maturity of males in monoculture, influence of water depth & clarity on growth in Kenya.

SJH:sjh

F



Cridland, C.C. (1959) 59-6217  
Rep.E.Afr.High Comm., 1958:41-2  
Laboratory experiments on the growth  
of Tilapia spp.

Study of T. zillii, T. esculenta;  
describes experiments of temperature  
relations on growth in former sp.,  
growth after maturation & size of  
eggs in relation to growth of the  
latter.

SJH: sjh

F

Bunt, J.S. (1959) 59-6220  
Nature, Lond., 183:1541-2  
Marine studies in the inshore waters  
of Antarctica near Mawson, 1956

Preliminary notes on investigations,  
made June 1956 - February 1957, in  
MacRobertson Land, on water  
chemistry, temperature, plankton, &  
submarine solar radiation.

GLK: wad

M

Simpson, J.R. & 59-6218  
B. Butters (1959)  
Rep.E.Afr.High Comm., 1958:43-6  
A pot test study of the effect of lake  
mud as a fertilizer

Reports experiments at Kawanda;  
test crop was millet.

SJH: sjh

F

Fitter, R.S. (1959) 59-6221  
London, W. Collins, Sons & Co., 320 p.  
The ark in our midst: the story of  
the introduced animals of Britain -  
birds, beasts, reptiles, amphibians,  
fishes

MF

Munro, H. (1959) 59-6219  
Rep.E.Afr.High Comm., 1958:47-8  
The growth of a lungfish in  
captivity

Growth in London & Italy of a captive  
Protopterus aethiopicus brought from  
lake Victoria; kept for a period of  
over a year; comparison with growth in  
the wild.

SJH: sjh

F

Skidmore, P. (1958) 59-6222  
Manchester, Flatters & Garnett, Ltd.  
20 p.  
British insects: a simplified key to  
the orders

F

Wynne-Edwards, V.C. (1959) 59-6223  
Nature, Lond., 183:1420  
The Pinnipedia  
Review of 583713.

GLK:

M

Brattström, H. (1959) 59-6226  
Nature, Lond., 183:1458  
Pogonophora in the Hardangerfjord,  
Western Norway

A report on the occurrence there of  
what appear to be 2 spp., one of  
which is similar to Siboglinum  
ekmani.

GLK:wad

M

Balfour-Browne, F. (1958) 59-6224  
London, Bernard Quaritch, 210 p.  
British water beetles

F

Roback, S.S. (1958) 59-6227  
Notul. nat. Acad. Philad., (304):5 p.  
Results of the Catherwood Foundation  
Peruvian Amazon Expedition. A new  
genus and species of Tendipedini from  
Peru, with some observations on  
related genera, Diptera, Tendipedidae  
(= Chironomidae)

F

Jackson, D.J. (1959) 59-6225  
Nature, Lond., 183:1420-1  
British water beetles of the family  
Hydrophilidae

Review of 59-6224.

GLK:

F

Abbott, R.T. (1958) 59-6228  
Notul. nat. Acad. Philad., (305):4 p.  
A new recent species of Tudicula  
from Zanzibar (Gastropoda: Vasidae)

F

Hobbs, H.H., Jr. (1958) 59-6229  
Notul.nat.Acad.Philad., (307):10 p.  
 New crayfishes of the genus  
Procambarus from South Carolina and  
 Georgia

M

Russell, F.S. (1959) 59-6228  
Nature, Lond., 183:1651-2  
 Bathyscaphe F.N.R.S. III

Lists dives - places, dates, depths -  
 with some notes on observations made.

GLK:sjh

M

Cairns, J., Jr. & 59-6230  
 A. Scheier (1958)  
Notul.nat.Acad.Philad., (308):11 p.  
 The effects of temperature and hardness  
 of water upon the toxicity of zinc to  
 the pond snail, Physa heterostropha  
 (Say)

M

Spooner, G.M. (1959) 59-6231  
Nature, Lond., 183:1695-6  
 New members of the British marine  
 bottom fauna

Account of studies in progress of  
 small benthos in sea-bed gravels of  
 Plymouth area. Many pygmy spp.;  
 references to 3 spp. of Acochli-  
 diacea (Gastropoda, holothurian  
Leptosynapta, mites (Halacaridae)  
 amphipods. Zoogeographical discussion.

GLK:sjh

M

Fowler, H.W. (1958) 59-6231  
Notul.nat.Acad.Philad., (310):16 p.  
 Some new taxonomic names of fishlike  
 vertebrates

MF

Anonymous (1959) 59-6234  
Nature, Lond., 183:1723-4  
 Directory of natural history and  
 other field studies

Review of directory published by  
 British Association for Advancement  
 of Science, which incl. reference to  
 aquatic research in field &  
 laboratory, underwater swimming, etc.

GLK:sjh

MF



Lowy, J. & 59-6235  
 B.M. Millman (1959)  
Nature, Lond., 183:1730-1  
 Contraction and relaxation in smooth  
 muscles of lamellibranch molluscs

Experiments with anterior byssus  
 retractor of Mytilus.

Dahl, E. (1959) 59-6236  
Nature, Lond., 183:1749  
 The amphipod, Hyperia galba, an  
 ectoparasite of the jelly-fish,  
Cyanea capillata

Study of nematocysts in 25 specimens  
 from Bergen, Norway. Taxonomy.

GLK: sjh

11

GLK: sjh

M

van Someren, V.D. & 59-6236  
 P.J. Whitehead (1959)  
Nature, Lond., 183:1747-8  
 Methods of marking Tilapia spp. (Pisces:  
 Cichlidae)

Account of fin clipping - incl.  
 observations of regeneration - & tagging  
 methods used for T. nigra in Kenya,  
T. spp. in lake Victoria, & also Labeo  
Barbus.

GLK: sjh

F

Dawbin, W.H. (1959) 59-6239  
Nature, Lond., 183:1749-50  
 Evidence on growth-rates obtained  
 from two marked humpback whales

Data from 2 marked whales caught in  
 Cook strait, New Zealand; results  
 compared with baleen plates & ear  
 plugs. Maturity sizes & ages.

GLK: sjh

M

Watts, J.C.D. (1959) 59-6237  
Nature, Lond., 183:1748-9  
 Seasonal and tidal fluctuations in the  
 trawl catches from the Sierra Leone  
 river estuary

Marking experiments on various (unnamed)  
 spp.; seasonal changes in catch per  
 unit effort; relations of catches to  
 water opacity.

GLK: sjh

11F

Hatherton, T. & 59-6238  
 R.H. Orr (1959)  
Nature, Lond., 183:1760-1  
 Microseisms at Scott Base

Discusses observations related to  
 oceanographic conditions in Ross Sea.

GLK: sjh

11

ICNAF (1959) 59-6241  
Sampl. Yearb. I.C.N.A.F., 2(1957):169 p.

Gives tables of length & age frequency  
distribution of samples of cod, haddock  
& redfish from catches by ICNAF member  
countries using various gears.  
Introductory analysis of sampling  
distribution method. Incl. also 59-6242  
& 59-6243.

SJH:sjh

M

Vivier, P. (1959) 59-6244  
Bull. Inf. Cons. sup. Pêche, (36):18-25  
Les effets de la pollution  
industrielle ou urbaine sur le  
poisson et sur la rivière (The  
effects of industrial and urban  
pollution on fish and rivers)

A general review of the subject.

FAO:hr

F

Clark, J.R. & 59-6242  
E.L. Dietsch (1959)  
Sampl. Yearb. I.C.N.A.F., 2(1957):25-37  
Length-weight tables for Northwest  
Atlantic haddock

Tables of measurements, by months &  
area subdivisions, of Melanogrammus  
aeglefinus; map, diagrams of seasonal  
changes; bibliography.

SJH:sjh

M

Sommani, E. (1959) 59-6245  
Bull. Inf. Cons. sup. Pêche, (36):26-30  
Introduction en Italie des boîtes  
d'alevinage; application, limites  
et possibilités du système  
(Introduction in Italy of fry boxes;  
use, limitations and possibilities of  
the system)

Considerations on the use of the box  
in regard to different types of  
streams, their temperature, & volume  
of water.

FAO:hr

F

Foulsen, E.M. (1959) 59-6243  
Sampl. Yearb. I.C.N.A.F., 2(1957):39-53  
Cod samples from 1956

A critical examination of length  
measurements of Gadus callarias  
published in 581478.

SJH:sjh

M

Anonymous (1959) 59-6246  
New Scient., 5:1062  
Trout research in Scotland

Notice of the 10th annual report of  
the Supervisory Committee for Brown  
Trout Research in Scotland.

FAO:glk

F

Lart, C.W., Jr. (1959) 59-6247

Bull. Fla. St. Mus., 4193-205

The ostracods of the genus Entocythere from the lower Chattahoochee-Flint basins: with a review of the occurrence of the genus in Florida, and descriptions of two new species

Incl. a key to the sp.; a survey of their ranges, a list of their crayfish 'hosts' & description of Entocythere geophila & E. torreya spp. nov.

FAC Br

F

M

Miller, M.C. (1958) 59-6250

Thesis, Univ. of Liverpool, U.K.

Studies on the nudibranchiate mollusca of the isle of Man

Ball, J.H. (1958) 59-6248

Thesis, Univ. of Liverpool, U.K.

The biology of the brown trout of Llyn Tegid

F

el-Wakeel, S.K. (1958) 59-6251

Thesis, Univ. of Liverpool, U.K.

Chemical and mineragological studies of recent marine sediments

M

Jefferies, D.J. (1958) 59-6249

Thesis, Univ. of Liverpool, U.K.

The ecology of Palaemonetes varians (Leach)

F

Barber, D.A. (1957) 59-6252

Thesis, Univ. of Liverpool, U.K.

The physiology of Equisetum limosum with special reference to its gaseous exchange

F



Hopson, A.J. (1957) 59-6253  
Thesis, Univ. of Liverpool, U.K.  
The biology of the Manx species of Galathea

M

Whitford, L.A. & 59-6256  
E.C. Phillips (1959)  
Science, 133:941-2  
Bound phosphorus and growth of phytoplankton

No correlation was found between phytoplankton pulses in 4 North Carolina ponds & variations in bound phosphorus. It is concluded that the interaction of a complex of chemical & physical factors produces both seasonal fluctuations & sporadic blooms of phytoplankton.

FAO:law

F

Sinhaseni, P. (1957) 59-6254  
Thesis, Univ. of Liverpool, U.K.  
Studies in the determination of biologically important trace constituents of sea water

M

Anonymous (1959) 59-6257  
New Scient., 5:949-50  
Reaching for the wealth of Canada

Note on proposed exploitation of oil deposits in the Canadian Arctic, incl. maintenance of ice-free lagoons by use of compressed air.

FAO:sjh

M

Peru. Consejo de 59-6255  
Investigaciones Hidrobiologicas(1958)  
Lima, 26 p.  
Informe anual correspondiente al año 1958 (Annual report for 1958)

Reports on environmental, biological & statistical studies, cooperation with international bodies, research programme for 1959, projected research vessel & Peruvian institute of marine sciences, regulations of the anchovy fisheries, etc.

HR:hr

M

Anonymous (1959) 59-6258  
New Scient., 5:1332-3  
Wildcats in the Persian Gulf

Incl. reference to establishment of off-shore oil drifting platforms in water deeper than 15 fathoms in Persian Gulf.

FAO:sjh

M

Rose, S.M. (1959) 59-6259  
Science, 129:1026  
Failure of survival of slowly growing  
members of a population

Aquarium observations on the survival  
of young Tanichthys albonubes & Barbus  
tetrazona indicating that larger  
animals may completely suppress the  
growth of smaller ones & eventually  
kill them by a water-borne inhibitor,  
& suggesting that under natural  
conditions of very high reproduction  
only the more rapidly growing would be  
able to survive.

FAO:glk

F

D'Ancona, U. (1959) 59-6262  
Nature, Lond., 183:1405  
Old and new solutions to the eel  
problem

A criticism of 59-2477.

CIE

MF

Clarke, A.H., Jr. & 59-6260  
R.J. Menzies (1959)  
Science, 129:1026-7  
Neopilina (Vema) ewingi, a second  
living species of the paleozoic class  
Monoplacophora

In Dec. 1958 the Lamont Geological  
Observatory research vessel VEMA  
dredged 4 specimens of Monoplacophora  
from the Peru-Chile Trench off  
northern Peru. The specimens are  
considered to represent a new subgenus  
& sp.: Neopilina (Vema) ewingi, & the  
discovery suggests that more relict  
types may exist alive in the deep

Tucker, D.W. (1959) 59-6263  
Nature, Lond., 183:1406  
Old and new solutions to the eel  
problem

A reply to 59-6262.

GLK:

MF

59-6260  
(Card 2)  
sea off Central & South America.

FAO:ahc

M

Anantaraman, S. (1959) 59-6264  
Nature, Lond., 183:1407-8  
Metacercaria (Allocreadioidea) in the  
planktonic ctenophore, Pleurobrachia  
globosa Moser 1903, from the Madras  
coast

Contents as per title.

GLK:wad

M

Itazawa, Y. (1959) 59-6265  
Nature, Lond., 183:1400-9  
Influence of temperature on the  
number of vertebrae in fish

Describes the results of experiments  
in raising Channa argus at different  
constant temperatures.

GLK:wad

F

Paloumpis, A.A. (1958) 59-6268  
Iowa St. Coll. J. Sci., 32(4):547-61  
Responses of some minnows to flood  
and drought conditions in an inter-  
mittent stream

Experimental sampling of fish in  
Squaw Creek, Iowa. Length & age,  
distributions of some spp.,  
particular reference to Cyprinus,  
Semotilus, Notropis & Pimephales spp.

WAD:sjh

F

Smith, I.W. (1959) 59-6266  
Nature, Lond., 183:1409  
Vibrio spp. in finnock from the  
Aberdeenshire Dee

A report on the occurrences of a  
Vibrio in young sea trout, Salmo.

GLK:wad

MF

Muncy, R.J. (1958) 59-6269  
Iowa St. Coll. J. Sci., 32(4):563-71  
Movements of channel catfish in Des  
Moines river, Boone county, Iowa

Study of tagging & electric fishing  
experiments with Ictalurus punctatus.

SJH:sjh

F

Hove, O. (1958) 59-6267  
Oslo, 189 p.  
An outline of Norwegian education

Incl. note on the schools for sea-  
manship & fisheries - location, entry  
rules, curriculum.

GLK:sjh

M

Owen, J.B. (1958) 59-6270  
Iowa St. Coll. J. Sci., 33(1):91-102  
The erosion-littoral zone of North  
Twin lake, and its relation to  
dredging

This zone of an Iowa lake is an  
important spawning & feeding area  
for game fishes. The main benthic  
organisms are mayfly, Caenis,  
nymphs, & caddice, Oecetis, larvae.

SJH:sjh

F



Butcher, R.W. (1959) 59-6271  
Hydrobiologia, 12:249-50  
 An undescribed species of Dunaliella  
 from the Cambridge collection of algae

A description of Dunaliella bioculata  
 sp.n.

FAO:wad

MF

Deflandre, G. & M. Deflandre-Rigaud. (1959) 59-6274  
Hydrobiologia, 12:299-307  
Diffugia? marina Bailey, une  
 espèce oubliée, synonyme de Quadrulella  
symmetrica (Wallich),  
 rhizopode testacé d'eau douce -  
 Remarques sur la systématique des  
 Nebelidae (Diffugia? marina  
 Bailey, a forgotten species,  
 synonym of Quadrulella symmetrica  
 Wallich, rhizopod testacea of fresh  
 water - Remarks on the systematics  
 of Nebelidae)

A discussion of the systematics of

van Oye, P. (1959) 59-6272  
Hydrobiologia, 12:251-67  
 Quelques Desmidiées dites Arctiques  
 alpines des marais du sud-ouest  
 d'Uvira (Congo Belge) (Certain  
 desmids called Arctic-Alpine of the  
 swamps of the southwest of Uvira,  
 Belgian Congo)

A record of spp. with considerations  
 on their geographic distribution.

FAO:hr

F

59-6274  
 (Card 2)  
 Nebelidae / history & synonymy of  
C. symmetrica.

FAO:hr

F

Garrod, D.J. (1959) 59-6273  
Hydrobiologia, 12:268-97  
 The growth of Tilapia esculenta Graham  
 in lake Victoria

An age & growth study indicating that  
T. esculenta scales bear rings laid  
 down as a result of breeding activity &  
 that the data can be fitted to  
 Bertalanffy's equation of growth.

FAO:wad

F

Vaas, K.F., A. Vaas & van Oven (1959) 59-6276  
Hydrobiologia, 12:308-92  
 Studies on the production and  
 utilization of natural food in  
 Indonesian carp ponds

A very detailed account based  
 primarily on comparisons of gut  
 contents of Cyprinus carpio with the  
 supply of natural food together with  
 observations on the feeding of  
Lebistes reticulatus, Tilapia  
mossambica & Helostoma temmincki.

FAO:wad

F

U.S. Hydrographic Office 59-6277  
 Oceanographic Survey Branch (1957)  
Tech.Rep.Oceanogr.Surv.res.Wash., 155 p.  
 Operation Deep Freeze II, 1956-57

M

U.K. Hydrographic Office 59-6280  
 (1958)  
London  
 Catalogue of Admiralty charts and  
 other hydrographic publications, 1958-



M

Smith, F.G.W. & 59-6278  
 H. Chapin (1957)  
Washington, U.S.Govt Print.Off., 18 p.  
 Farming for fishes

F

Hyde, R.C. (1958) 59-6281  
Bantu, 8:45-51  
 Fish farming experiment at Tsolo School  
 of Agriculture  
 Description of the project & principal  
 results achieved since 1953.

:tl

F

U.S. Hydrographic Office(1957)59-6279  
Washington, 12 p.  
 ... Charts and publications for  
 Antarctica operations

M

Gallais, J. (1958) 59-6282  
Cah.d'Outre-mer, 11(42):117-41  
 La vie saisonnière sud du Lac Debo  
 (Seasonal life south of Debo Lake)

Description of the seasonal water  
 budget of the area & its influence  
 on the human activity including  
 fishing on the region.

:tl

F

Lawson, R.M. (1958) 59-6283

Afr.Stud., 17(1):21-7

The structure, migration and  
resettlement of Ewe fishing units

Description of the changes in fishery  
population in the Tongu district,  
caused by the modernization of fishery  
techniques.

:tl

MF

Lindley, D.V. (1958)

59-6286

J.Amer.statist.Ass., 53:1049

Finite queuing tables

Review of 59-6285.

FAO

G

Anonymous (1958)

59-6284

Voz de Angola, 192:7

O valor dos produtos derivados da  
pesca alcançou em 1957 o seu mais alto  
índice (Exports of fish products  
reached a record level in 1957)

Statistics of export-import of various  
fishery products.

:tl

MF

Storey, M. (1957)

59-6287

Circ.nat.Hist.Mus.Stanford Univ., 7:1-58

Stanford University Theses and  
Dissertations of interest to researchers  
in natural history (systematics,  
morphology, ecology, etc.)

An alphabetical author list, covering  
the period 1892-1957.

:ms

MF

Peck, L.G. &

59-6285

R.N. Hazelwood (1958)

New York, J. Wiley & Sons, Inc., 210 p.

Finite queuing tables

G

Abonnenc, E. et al. (1957)

59-6288

Paris, Ed.Larose, 278 p.

Bibliographie de la Guyane Française.  
Tom. 1. Ouvrages et articles de langue  
française concernant la Guyane et les  
territoires avoisinants (Bibliog-  
raphy of French Guiana. Vol. 1. Books  
and articles in French concerned with  
French Guiana and nearby territories)

Lists references to books & articles in  
French concerned directly or indirectly  
with French Guiana from the end of the  
16th century to 1955. The volume is in  
2 parts, the 1st of which is an  
alphabetical index of authors, & the  
2nd a subject-index.

:ea

MF



Kumerloove, H. (1957) 59-6289  
Veröff.naturw.Ver.Osnabrück, 28:87-94  
 Naturwissenschaftliche Bibliographie  
 des Osnabrücker Raumes (Bibliography  
 on natural sciences of the Osnabrück  
 region)

This is the 1st part to be published  
 of a series on the natural history of  
 the Osnabrück region & its immediate  
 vicinity. A beginning is here made with  
 the literature of the general zoology  
 & of the Vertebrata of the district.

shk

F

59-6291  
 (Card 2)

item is accompanied by a more or less  
 detailed summary in Russian, & there  
 is a list of the scientific names of  
 the parasites & their hosts, & a  
 subject index of diseases caused by  
 parasites, & of protective measures  
 used against them.

:snb

F

Pax, F. (1957) 59-6290  
Wroclaw, 184 p.  
 Bibliographv of Silesian zoology,  
 Part 3 (1930-1950)

It is gratifying to note the appearance  
 of the 3rd part of this useful bibliog-  
 raphy. The 2nd part is rare & difficult  
 to obtain, although a few libraries  
 possess a microfilm copy.

:fp

F

Davis, M.T. (1957) 59-6293  
Taxon, 6:161-82  
 A guide and an analysis of Engler's  
 "Das Pflanzenreich"

A detailed table of the contents of  
 "Das Pflanzenreich" under families,  
 listed alphabetically, supplemented by  
 a systematic list of family numbers  
 so far treated, as given in the  
 foreword to the whole work in IV 45  
 Musaceae 1900; an alphabetical list of  
 authors, subdivided chronologically; &  
 an index of Heft numbers & chronological  
 order of issue.

:mtd

MF

Boev, S.N., I.G. Galuzo & 59-6291  
 E.V. Gvozdev (Ed.) (1957)  
Alma-Ata, 312 p.

Literature sur la parasitologie du  
 Kazakhstan. Bibliographie analysée  
 sur les parasites et les maladies  
 parasitiques de l'homme et des animaux  
 sauvages et domestiques (Literature  
 on the parasitology of Kazakhstan.  
 Analysed bibliography on parasites and  
 diseases of men and wild and domestic  
 animals, caused by parasites)

Published by the Zoological Institute  
 of the Academy of Sciences of Kazakhstan  
 & contains 1,365 titles, arranged  
 alphabetically by authors. Nearly every

Macro, E. (1958) 59-6294  
Florida, Univ.Miami Press, 80 p.  
 Bibliography of the Arabian Peninsula

List of 2,380 titles. There is no  
 subject. Supplements such works as  
 H.W. Hazard's bibliography of the  
 same region, prepared under the  
 auspices of the American Geographical  
 Society & published in 1956.

:cm

MF

Dow, R.L., D.M. Harriman & L.W. Scattergood (1959)  
Comm.Fish.Rev., 21(5):1-14  
The role of holding pounds in the Maine lobster industry

Describes yearly & seasonal trends in Homarus americanus fishery. History & operation of water area for holding live lobsters; their effect on the operations of the industry; problems to be solved - effects of temperature & feeding on survival, conditioning, disease, oxygen demand.

FAO:sjh

M

Anonymous (1959) 59-6298  
Comm.Fish.Rev., 21(5):19-20  
California - Seasonal fishery for squid

Contents as per title.

FAO:

M

Dassow, J.A. (1959) 59-6296  
Comm.Fish.Rev., 21(5):15-6  
Technical note No. 53 - Utilization of sea cucumbers (Holothurians) as food

Incl. notes on their occurrence in N. Pacific & elsewhere.

FAO:sjh

M

Anonymous (1959) 59-6299  
Comm.Fish.Rev., 19(5):20  
Clams - New England hard clams thrive in Florida

An experiment of the U.S. Bureau of Commercial Fisheries Biological Laboratory at Milford, Conn., & the State of Florida showed that Venus mercenaria will thrive. The clams grow about 5 times faster than clams grow in colder northern waters.

FAO:sjh

M

Anonymous (1959) 59-6297  
Comm.Fish.Rev., 21(5):18-9  
California - Deep-water trawling fleet  
Contents as per title.

Anonymous (1959) 59-6300  
Comm.Fish.Rev., 19(5):22  
Fishways - Fishways with steeper gradient to be tested at Ice Harbor Dam  
Contents as per title.

FAO:

M

FAO:

MF

Anonymous (1959) 59-6301  
Comm.Fish.Rev., 21(5):22  
Florida - University of Miami awarded  
grant for marine radiation research

A grant by the National Seamen  
Foundation of \$12,000 to be used for  
basic research on radium distribution  
in the bottom sediments & the water  
above in the Florida Straits, the  
Bahamas, & the Caribbean area.

FAO:sjh

F

Anonymous (1959) 59-6304  
Comm.Fish.Rev., 21(5):25-6  
Gulf exploratory fishery program -  
Trawling for midwater industrial fish  
stocks between Mississippi Delta and  
Cape Romano, Fla (M/V CRIGCN Cruise 57)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6302  
Comm.Fish.Rev., 21(5):24  
Great Lakes - Control measures in  
Michigan's Great Lakes streams to be  
continued

To continue work in controlling &  
destroying sea lamprey.

FAO:sjh

MF

Anonymous (1959) 59-6305  
Comm.Fish.Rev., 21(5):27-8  
Newhaven - Atlantic fishery trends in  
1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6303  
Comm.Fish.Rev., 21(5):24-5  
Gulf exploratory fishery program -  
Efficiency of trawls versus baited  
traps in red snapper fishing on  
Campeche Bank (M/V SILVER BAY Cruise 15)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6306  
Comm.Fish.Rev., 21(5):29-30  
North Atlantic fisheries exploration  
and gear research - Commercial  
quantities of butterfish and grouper  
found off Cape Fear, N.C. (M/V DELANARE  
Cruise 59-2)

Contents as per title.

FAO:

M



Anonymous (1959) 59-6307  
Comm.Fish.Rev., 21(5):30  
North Pacific exploratory fishery  
program - Fishing gear research planned  
in Puget Sound (M/V JOHN N. COBB Cruise  
41)

Contents as per title.

FAO:

M

Anonymous (1959) 59-6310  
Comm.Fish.Rev., 21(5):32  
Pacific oceanic fishery investigations -  
Tuna resources survey in Marquesas and  
Tuamotu Islands area ended (M/V CHARLES  
H. GILBERT Cruise 43)

Contents as per title.

FAO

M

Anonymous (1959) 59-6308  
Comm.Fish.Rev., 21(5):30-1  
Pacific oceanic fishery investigations -  
Observations on California current  
extension in vicinity of Hawaiian  
Island continued (M/V HUGH M. SMITH  
Cruise 50)

Contents as per title.

FAO:

M

Sokolich, A.D. (1959) 59-6311  
Comm.Fish.Rev., 21(5):32-4  
Practical method of preventing a  
purse-seine net from sinking to its  
full depth

Contents as per title.

FAO:

M

Anonymous (1959) 59-6309  
Comm.Fish.Rev., 21(5):31  
Pacific oceanic fishery investigations -  
Tilapia rearing experiments continued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6312  
Comm.Fish.Rev., 21(5):35  
Salmon - Blood tests used to distinguish  
racial stocks

The development of serological techniques  
of identifying North Pacific Ocean  
high-seas salmon stocks as to Asiatic  
or North American origin.

FAC:sjh

MF

Anonymous (1959) 59-6313  
Comm.Fish.Rev., 21(5):35  
Salmon - Salmon packers in Washington  
seek to lift ban on fish traps in  
Alaska

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6316  
Comm.Fish.Rev., 21(5):40  
Washington - University of Washington  
awarded grant for fisheries research

Two fisheries research grants that  
will total nearly \$120,000 over a  
3-year period have been received from  
the National Institutes of Health by  
the College of Fisheries at the  
University of Washington, Seattle.  
In the marine bacteria research, a  
type culture collection of bacteria  
from marine plants & animals will be  
established & a logical system for  
their classification developed.

FAO:a

M

Anonymous (1959) 59-6314  
Comm.Fish.Rev., 21(5):36  
Shad - Virginia and federal biologists  
cooperate on study of York River run

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6317  
Comm.Fish.Rev., 21(5):42  
International - Baltic Sea - Convention  
planned for protection of fish

Contents as per title.

FAO:

M

Anonymous (1959) 59-6315  
Comm.Fish.Rev., 21(5):38  
Virginia - Fisheries laboratory awarded  
grant for teacher training

A grant to conduct a research  
participation program for teacher  
training awarded by the National  
Science Foundation to the Virginia  
Fisheries Laboratory at Gloucester  
Point.

FAO:sjh

M

Anonymous (1959) 59-6318  
Comm.Fish.Rev., 21(5):46-7  
International - International Pacific  
Salmon Commission - Sockeye and pink  
salmon regulations for 1959

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6319  
Comm.Fish.Rev., 21(5):47  
International - International Whaling  
Commission - Amendment to convention  
ratified by Panama

Contents as per title.

FAO: M

Anonymous (1959) 59-6322  
Comm.Fish.Rev., 21(5):52-3  
International - Territorial waters -  
British-Danish agreement on Faroe  
Islands fishing limits

Contents as per title.

FAO: M

Anonymous (1959) 59-6320  
Comm.Fish.Rev., 21(5):48  
International - Marine biology studies  
in 1958/59 Antarctica program

Contents as per title.

FAO: M

Anonymous (1959) 59-6323  
Comm.Fish.Rev., 21(5):53-4  
International - Tuna - United States  
live-bait fishing method adopted by  
other countries

Contents as per title.

FAO: M

Anonymous (1959) 59-6321  
Comm.Fish.Rev., 21(5):49-52  
International - Northwest Pacific  
Fisheries Commission - Progress on 1959  
negotiations between Japan and Russia

Contents as per title.

FAO: MF

Anonymous (1959) 59-6324  
Comm.Fish.Rev., 21(5):54  
Angola - Review of fishing industry,  
1957

Contents as per title.

FAO: M



Anonymous (1959) 59-6325  
Comm.Fish.Rev., 21(5):55  
Argentina - Vessel quotas and for  
Mar del Plata fishermen

Contents as per title.

FAO: M

Anonymous (1959) 59-6328  
Comm.Fish.Rev., 21(5):59  
Cuba - Fisheries trends, January 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-6326  
Comm.Fish.Rev., 21(5):55  
Australia - Spiny lobster conservation  
regulations announced

Contents as per title.

FAO: M

Anonymous (1959) 59-6329  
Comm.Fish.Rev., 21(5):59  
Cuba - New Maritime Development  
Commission given jurisdiction over  
fisheries

Contents as per title.

FAO: M

Anonymous (1959) 59-6327  
Comm.Fish.Rev., 21(5):58-9  
Chile - Foreign vessels authorized to  
fish off northern coast

Contents as per title.

FAO: M

Anonymous (1959) 59-6330  
Comm.Fish.Rev., 21(5):60  
Guatemala - Shrimp fishery trends

Contents as per title.

FAO: M

Anonymous (1959) 59-6331  
Comm.Fish.Rev., 21(5):60  
Hong Kong - Shrimp landings, October-  
December 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6334  
Comm.Fish.Rev., 21(5):63-4  
Italy - Fishing company permitted to  
fish in Tunisian waters

Contents as per title.

FAO:

M

Anonymous (1959) 59-6332  
Comm.Fish.Rev., 21(5):61-2  
Iceland - Fisheries trends, October-  
December and year 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-6335  
Comm.Fish.Rev., 21(5):66-7  
Mexico - Fishery Bureau reorganized  
and new policy announced

Contents as per title.

FAO:

M

Anonymous (1959) 59-6333  
Comm.Fish.Rev., 21(5):62-3  
Iceland - Replies to protests on  
extension of fishing limits to 12 miles

Contents as per title.

FAO:

M

Anonymous (1959) 59-6336  
Comm.Fish.Rev., 21(5):67  
Mexico - Shrimp fishery trends, March  
1959

Contents as per title.

FAO:

M

Anonymous (1959) 59-6337  
Comm.Fish.Rev., 21(5):67-8  
Mexico - Shrimp stocks off West Coast  
compared with 1936

Contents as per title.

FAO: M

Anonymous (1959) 59-6340  
Comm.Fish.Rev., 21(5):69  
Norway - Fisheries trends, 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6338  
Comm.Fish.Rev., 21(5):68  
Morocco - Fisheries trends, June-  
December 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6341  
Comm.Fish.Rev., 21(5):69-71  
Norway - Fishery landings, production,  
and exports 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6339  
Comm.Fish.Rev., 21(5):68-9  
Norway - Antarctic whaling production  
lower for 1958/59 season

Contents as per title.

FAO: M

Anonymous (1959) 59-6342  
Comm.Fish.Rev., 21(5):71  
Norway - Improved underwater camera for  
marine research developed

Contents as per title.

FAO: M



Anonymous (1959) 59-6343  
Comm.Fish.Rev., 21(5):71-2  
Norway - Plan research to locate sub-  
surface tuna with asdic

Contents as per title.

FAO: M

Anonymous (1959) 59-6346  
Comm.Fish.Rev., 21(5):74  
Portugal - Fisheries trends, November  
1958

Contents as per title.

FAO: M

Anonymous (1959) 59-6344  
Comm.Fish.Rev., 21(5):72  
Poland - Trawler returns from fishing  
trip to West African waters

Contents as per title.

FAO: M

Anonymous (1959) 59-6347  
Comm.Fish.Rev., 21(5):74  
Portugal - National Fish Commission  
formed

Contents as per title.

FAC: M

Anonymous (1959) 59-6345  
Comm.Fish.Rev., 21(5):73-4  
Portugal - Fishery landings in Portugal,  
Madeira, and the Azores, 1957

Contents as per title.

FAO: M

Anonymous (1959) 59-6348  
Comm.Fish.Rev., 21(5):74-5  
Spain - Vigo fisheries trends, February  
1959

Contents as per title.

FAO: M

Anonymous (1959) 59-6349  
Comm.Fish.Rev., 21(5):78  
Taiwan - United States lends \$686,000  
to expand fishing industry

Contents as per title.

Anonymous (1959) 59-6352  
Comm.Fish.Rev., 21(5):81  
U.S.S.R. - Fishing fleet reported off  
Alaska coast

Contents as per title.

FAO: M

FAO: M

Anonymous (1959) 59-6350  
Comm.Fish.Rev., 21(5):78-9  
Tunisia - Fishing industry, 1957

Contents as per title.

Anonymous (1959) 59-6353  
Comm.Fish.Rev., 21(5):81-2  
Venezuela - Joint Venezuelan-Japanese  
firm to engage in tuna fishing and  
canning

Contents as per title.

FAO: M

FAO: M

Anonymous (1959) 59-6351  
Comm.Fish.Rev., 21(5):80-1  
Union of South Africa - Intensive study  
under way of pelagic shoal fishing  
waters off South African west coast

Contents as per title.

Anonymous (1959) 59-6354  
Comm.Fish.Rev., 21(5):90-1  
Department of the Interior - Fish and  
Wildlife Service - General use of fish  
traps barred in Alaska salmon fishery

Contents as per title.

FAO: M

FAO: MF

Anonymous (1959) 59-6355  
Comm.Fish.Rev., 21(5):92-3  
Eighty-sixth Congress (First Session) -  
Alaska's commercial fisheries--Abolition  
of fish traps

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6358  
Comm.Fish.Rev., 21(5):93-4  
Eighty-sixth Congress (First Session) -  
Columbia River fisheries programs

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6356  
Comm.Fish.Rev., 21(5):93  
Eighty-sixth Congress (First Session) -  
Alaska's commercial fisheries-- Bris-  
tol Bay salmon fishing closure

Contents as per title.

FAO:

MF

Anonymous (1959) 59-6359  
Comm.Fish.Rev., 21(5):94  
Eighty-sixth Congress (First Session) -  
Dogfish shark eradication

Contents as per title.

FAO:

M

Anonymous (1959) 59-6357  
Comm.Fish.Rev., 21(5):93  
Eighty-sixth Congress (First Session) -  
ALBATROSS III deactivation hearings

Contents as per title.

FAO:

M

Anonymous (1959) 59-6360  
Comm.Fish.Rev., 21(5):95  
Eighty-sixth Congress (First Session) -  
Fish and wildlife cooperative research  
training units

Contents as per title.

FAO:

M



Anonymous (1959) 59-6361  
Comm.Fish.Rev., 21(5):95  
Eighty-sixth Congress (First Session) -  
Game fish in dam reservoirs research

Contents as per title.

FAO: F

Anonymous (1959) 59-6364  
Comm.Fish.Rev., 21(5):97  
Eighty-sixth Congress (First Session) -  
Marine game fish research

Contents as per title.

FAO: M

Anonymous (1959) 59-6362  
Comm.Fish.Rev., 21(5):95  
Eighty-sixth Congress (First Session) -  
Insecticides effect upon fish and  
wildlife

Contents as per title.

FAO: F

Anonymous (1959) 59-6365  
Comm.Fish.Rev., 21(5):97  
Eighty-sixth Congress (First Session) -  
Power projects fisheries resources  
protection

Contents as per title.

FAO: F

Anonymous (1959) 59-6363  
Comm.Fish.Rev., 21(5):96-7  
Eighty-sixth Congress (First Session) -  
Interstate transportation of fish

Contents as per title.

FAO: F

Anonymous (1959) 59-6366  
Comm.Fish.Rev., 21(5):98  
Eighty-sixth Congress (First Session) -  
Salt-water research laboratory

Contents as per title.

FAO: M

Deufel, J. & R. Dietrich (1957) 59-6367  
Fischwirt., 8:290-1  
 (Relations between the protein content and the nutritional value of Sebastes marinus). De

Deufel, J. & K.U. Naumann (1958) 59-6370  
Fischwirt., 8:290-1  
 Der Einfluss von Vitamin T auf Regenbogenforellenbrut (The influence of vitamin T on the fry of rainbow trout)

Account of investigations on forced growth & improved health of fry by vitamin T feeding.

M

FAO:dr

F

Lillelund, K. (1958) 59-6368  
Fischwirt., 8:281-4  
 Versuche zur Anfütterung von Hechtbrut in einer auf dem Land eingebauten Vorstreckanlage (Experiments of feeding pike fry with an apparatus established on the land)

Description of process of automatic feeding.

FAO:dr

F

Wunder, W. (1958) 59-6371  
Fischwirt., 8:292-5  
 Zur Erforschung und Bekämpfung der Bauchwassersucht (On investigations and control of ascites)

Describes experiments & results of leucomycin injections. Continuation of 584845.

FAO:dr

F

Schiemenz, F. (1958) 59-6369  
Fischwirt., 8:285-9  
 Die Enge des Abstandes der Stäbe von Schutzrechen vor Turbinen und Sielpumpen in ihrer Bedeutung für die Fischerei wie für die Kraftwirtschaft (Distance between the bars of turbine and sewage pump gratings with special regard to their use in fisheries and power industry)

Content as per title.

FAO:dr

F

IPFC (1957) 59-6372  
Occ.Pap.Indo-Pacif.Fish.Coun., (57/3),  
 Add. 3, 4 p., mimeo  
 National fisheries policy and programme - Philippines

Excerpts from the message of President Ramón Magsaysay to the Congress of the Philippines in his transmittal of the budget of the National Government for the fiscal year ending June 30, 1958. February 11, 1957.

FAO:ipfc

MF

Furnestin, J. (1959) 59-6373  
Rev.Trav.Off.Pêches marit., 23(1):5-77  
Hydrologie du Maroc atlantique  
(Hydrology of the Atlantic Morocco)

The first part consists of an appraisal of the coastal waters of Morocco encompassing isotherm & isohaline charts at different depths for all seasons during 1949 - 1953 & isodynamic charts for 1953; the second considers the hydrology of the main sectors based on studies made during 1953.

FAO:hr

M

Rounsefell, G.A. (1958) 59-6376  
Fish.Bull., U.S., 58:171-85  
Anadromy in North American Salmonidae

Arrangement of the genera Oncorhynchus, Salmo, Salvelinus, & Cristivomer in descending order of anadromy & examination of the correspondence between lethal stream temperatures for the young of certain spp. & the anadromous habits of those spp.

FAO:glk

F

Furnestin, J. & 59-6374  
M.-L. Furnestin (1959)  
Rev.Trav.Off.Pêches marit., 23(1):79-104  
La reproduction de la sardine et de l'anchois des côtes atlantiques du Maroc (The reproduction of the sardine and anchovy on the Atlantic coast of Morocco)

The first part consists of a study of spawning seasons & areas of Sardina pilchardus & their relationships to environmental conditions, particularly temperature, during 1947 - 1953; the second is a similar study of Engraulis encrasicolus.

FAO:hr

M

Robertson, O.H. (1958) 59-6377  
Fish.Bull., U.S., 58:9-30  
Accelerated development of testis after unilateral gonadectomy, with observations of the normal testes of rainbow trout

Experimental study of Salmo gairdnerii. Description of techniques. Measurement of the weight & study of the histology of the testis under these experimental conditions compared with observations on the gonad of normal trout.

FAO:glk

F

Furnestin, M.-L. (1959) 59-6375  
Rev.Trav.Off.Pêches marit., 23(1):105-24  
Meduses du plancton marocain  
(Medusae of Moroccan plankton)

Lists the medusae of the Atlantic waters of Morocco, & gives general information on their annual & seasonal abundance, & distribution. A number of spp. new for Moroccan waters are recorded.

Silliman, R.P. & 59-6378  
J.S. Gussell (1958)  
Fish.Bull., U.S., 58:215-52  
Experimental exploitation of fish populations

Reports experiments with 4 aquarium populations of Lobistes reticulatus, with controlled light, temperature & food supply; 2 were used as controls, 2 were "fished" at various intensities.

FAO:hr

M

FAO:sjh

FG



Matsumoto, W.M. (1958) 59-6379  
Fish.Bull., U.S., 58:31-72  
Description and distribution of larvae  
of four species of tuna in Central  
Pacific waters.

The larvae of 4 spp. of tuna - Neo-  
thunnus macropterus, Katsuwonus pelamis,  
Euthynnus yaito, & Auxis thazard - are  
described in detail. Diagnostic  
characters are given to aid in the  
identification of the spp.

FAO:wmm

M

59-6381  
(Card 2)

list of spp. Procambarus rogersi  
expletus, new subsp. is described  
from Calhoun County, Florida.

FAO:hh

F

Menard, H.W. (1959) 59-6380  
Experientia, 15:205-13  
Geology of the Pacific Sea floor. Do

General account describing broad  
elevations & depressions, seamounts &  
abyssal hills, & discussing evidence of  
tectonic intensity in this basin & on  
the permanence of ocean basins & land  
bridges.

FAO:glk

M

Sexton, O.J. (1959) 59-6383  
Ecol.Monogr., 29:113-40  
Spatial and temporal movements of a  
population of the painted turtle,  
Chrysemys picta marginata (Agassiz)

Marking study of 100 individuals in  
& around Crane Pond, Michigan.

GLK:sjh

F

Hobbs, H.H., Jr. & 59-6381  
C.W. Hart, Jr. (1959)  
Bull.Fla St.Mus., 4:146-91  
The freshwater decapod crustaceans of  
the Apalachicola drainage system in  
Florida, Southern Alabama, and Georgia.

The family Palaemonidae is represented  
by 2 shrimps of the genus Palaemonetes  
& the Astacidae by 21 crayfishes  
belonging to the genera Procambarus  
(15 spp.), Cambarus (4), Orconectes (1),  
& Cambarellus (1). An ill. key is  
provided for identifying these animals,  
& a tabular summary of their ecological  
distributions precedes an annotated

Kerswill, C.J. (1959) 59-6384  
Trade News, 11(11):3-10  
Investigation and management of Atlantic  
salmon in 1958. Part 1. The research  
programme

A general review of Salmo salar studies  
& industry in the N.W. Atlantic.

FAO:sjh

MF

Burridge, E.W. (1959) 59-6385  
Trade News, 11(11):11-6  
Investigation and management of Atlantic  
salmon in 1958. Part 2. The management  
programme

Experiments & improvements of Salmo  
salar fisheries in N.W. Atlantic.

Anonymous (1959) 59-6388  
New Scient., 6(137):32  
Abandoned wormholes under the Arctic

Note on photographs of bed of Arctic  
ocean taken during IGY from drifting  
station ALPHA; strewn boulders;  
manganese coated worm tubes as evidence  
of climatic change.

FAO:sjh

MF

FAO:sjh

M

Poll, M. (1959) 59-6386  
Ann.Mus.Congo belge, 71, Ser.8:75-174  
Recherches sur la faune ichthyologique  
de la région du Stanley Pool  
(Investigations of the ichthyological  
fauna of the Stanley Pool region)

Contains the taxonomic description of  
the spp. & a study of the ecology &  
association of the spp. in Stanley  
Pool & neighbouring waters.

Schubert, (1958) 59-6389  
Wiss.Informat.Fischereiprax., 5:164-8  
Bericht über die 32. Forschungsfahrt  
des Fischereiforschungsschiffes ANTON  
DOHRN in die mittlere Nordsee vom 9.  
Oktober 1958 bis 30. Oktober 1958  
(Report on the 32nd research cruise of  
the R/V ANTON DOHRN to the middle North  
Sea from 9 to 30 October 1958)

Contents as per title.

WAD:hr

F

FAO:dr

M

Darbyshire, J. (1959) 59-6387  
New Scient., 6(137):26-9  
Recent research on sea waves

Summary account of spectral analysis,  
ship-borne & land based wave-recorders;  
application in storm tracking, plotting  
navigation routes, design of harbours,  
sea-walls & breakwaters, ship design,  
tank testing.

Meyer, A. (1958) 59-6390  
Wiss.Informat.Fischereiprax., 5:168-70  
Die Suchreisen deutscher Trawler 1958  
und ihre Ergebnisse (Exploratory  
cruises of German trawlers during 1958  
and their results)

Report on exploratory fishing results  
obtained in Greenland waters.

FAO:sjh

M

FAO:dr

M

Schubert, K. (1958) 59-6391  
Wiss.Informat.Fischereiprax., 5:170-5  
Über den deutschen Heringsfang und die  
Heringsuntersuchungen im Jahre 1958  
(On the German herring catch and  
investigations during 1958)

Biological statistics of a review.

FAO:dr

M

Hamburg, Institut für 59-6394  
Küsten- und Binnenfischerei (1958)  
Wiss.Informat.Fischereiprax., 5:182-3  
Kutter-Suchfahrten (Cutter  
exploratory cruises)

Report on results obtained off South  
Norwegian coasts.

FAO:dr

M

Sahrhage, D. (1958) 59-6392  
Wiss.Informat.Fischereiprax., 5:176-8  
Tagung der Internationalen Fischerei-  
konvention (Meeting of the Inter-  
national Fishery Convention)

Brief report on the meeting of the North  
Sea Commission in Dublin 1958.

FAO:glk

M

Hamburg, Institut für 59-6395  
Küsten- und Binnenfischerei (1958)  
Wiss.Informat.Fischereiprax., 5:183  
Ein Thun markierte sich selbst (A  
tuna which tagged itself)

Report as per title with notes on tuna  
migration in the North Sea.

FAO dr

M

Sahrhage, D. (1958) 59-6393  
Wiss.Informat.Fischereiprax., 5:178-82  
Wiedorfang markierter Fische (Catch  
of tagged fish)

List of tagged fish caught in the  
period 1 July - 31 December 1958.

FAO:dr

M

Mann, H. (1958) 59-6396  
Wiss.Informat.Fischereiprax., 5:184-6  
Leistungsprüfungen an Schleien  
(Efficiency test on tenches)

Report on the growing of tenches &  
length-weight relations.

FAO:dr

F



Hamburg, Institut für 59-6397  
Küsten- und Binnenfischerei (1958)  
Wiss.Informat.Fischereipraxis, 5:186  
Bewegliche Elektroscheuchanlage  
(Movable electrical installation for  
scaring fish)

Preliminary report on experiments done  
in Steinhuder Meer (Lower Saxonia).

FAO:lr

F

Kurata, H. (1957) 59-6400  
Hokusuishi Geppo, 14(1):8-21  
(The biology of the prawn Pandalus  
hypsinotus in the waters off Masuko,  
Hokkaido). Ni

FiB:

M

Nümann, W. (1958) 59-6398  
Allg.FischZtg., 83:88-91  
Vorläufiger Bericht über das stark  
veränderte Wachstum der Blaufelchen  
im Bodensee und Versuch einer Fang-  
prognose für das Jahr 1958  
(Preliminary report on the change of  
growth of white fish in Lake Constance  
and an attempt to prognose 1958 catch)

Reports present growth rate of  
Coregonus & compares them with former  
results. Incl. forecasting of fishery  
from the year-class strength.

FAO:dr

F

Kurata, H. (1957) 59-6401  
Hokusuishi Geppo, 14:42-51  
(The biology of the prawn Pandalus  
borealis in the waters off Masuko,  
Hokkaido). Ni

FiB:

M

Keiz, G. (1958) 59-6399  
Allg.FischZtg., 83:97-8  
Untersuchungen über das Wachstum  
gesunder Karpfen (Cyprinus carpio L.)  
nach Antibiotika-Injektionen  
(Growth rate investigations of healthy  
carps, Cyprinus carpio L., after  
antibiotics treatment)

Describes experiments & gives an  
account of observations made on the  
growth rates after the treatment.

FAO:dr

F

Mangerel, P. (1957) 59-6402  
Bull.Cent.belg.Etud.Document.Eaux, (36):  
105-12  
Plankton in the water of rivers  
intended for water supply

WPA 32(3)431. The principal difficulties  
caused by plankton in water to be used  
for potable supplies are discussed.  
Previous work on plankton in rivers is  
reviewed briefly & investigations are  
described on the rivers Seine, Marne,  
& Oise, from which water supplies for  
Paris are drawn.

:wpa

F

Kiefer, H. & R. Maushart (1958) 59-6403  
Nukleonik, 1:22-7  
Natural radioactivity in water

WPA 32(3)468. The composition of the natural radioactivity of different waters was investigated; chemical precipitation methods were found to be the most satisfactory means of measurement.

:wpa

MF

Coxon, T.L.J. (1958) 59-6406  
Contract.Rec., 69(29):16-7  
River pollution in tidal waters

WPA 32(3)547. The problem of the present extensive pollution of the tidal reaches of the river Tyne is discussed, & the deleterious effects of this pollution on human health & fish life are emphasized.

:wpa

MF

Lackey, J.B. (1957) 59-6404  
Engng Progr.Univ.Fla, 11(3)Suppl.Leaf1.  
(87): 8 p.

Some visibility problems in large aquaria. I. Plankton problems at Marineland

WPA 32(3)473. The non-bacterial microscopic life in the tanks of an oceanarium at Marineland Fla, was studied for 1 year. 11 groups & total counts are tabulated.

:wpa

M

Vladykov, V.D. & 59-6407

G. Beaulieu (1958)  
Nat.canad., 85:149-56  
Variations dans le Québec de l'abondance annuelle des poissons originaires des Grands-lacs (Variations in annual abundance of fishes from the Great Lakes in Quebec)

A study of fluctuations in the occurrence of Dorosoma cepedianum, Lepibema chrysops, Morone americana in the St. Laurence river during 1944-57. (Issued as Contr.Dep.Fish., Quebec, (70) ).

FAO:hr

F

Lackey, J.B. (1957) 59-6405  
Engng Progr.Univ.Fla, 11(3)Suppl.Leaf1.  
(87):8 p.

Some visibility problems in large aquaria. II. A bacteriological study of the sea water used in Marineland

WPA 32(3)474. During investigations on the turbidity of water in the oceanarium of Marineland, Fla, bacteriological examination of the water was carried out at monthly intervals for 1 year. Results are tabulated in terms of bacteria per ml.

:wpa

M

Rose, M. (1957) 59-6408  
Bull.Mus.Hist.nat., Paris, 29(2)Ser.2:  
235-45

Description de copépodes nouveaux du plankton marin de Nha-Trang (Viet-Nam) (Description of new copepods of the marine plankton of Nha-Trang, Viet-Nam)

Taxonomic description of Mazellina gen. nov. & Mazellina galleti nov.sp. (Issued as Contr.Inst.océanogr., (29) ).

FAO:hr

M

Rose, M. (1957) 59-6409  
Bull.Mus.Hist.nat., Paris, 29(4)Ser.2:  
328-36

Description de copépodes nouveaux du  
plankton marin de Nha-Trang (Viet-Nam)  
(Description of new copepods of the  
marine plankton of Nha-Trang, Viet-Nam)

Taxonomic descriptions of Mazellina  
bulbifera & M. ornata. (Issued as  
Contr.Inst.océanogr., (30) ).

FAO:hr

M

Berry, F.H. (1959) 59-6412  
Bull.Fla St.Mus., 4:205-50  
Boarfishes of the genus Antigonia of  
the western Atlantic

A. combatia from the western Atlantic  
& the deeper-bodied A. capros from  
the western Atlantic & the Indo-Pacific  
are described, ill. & compared  
with other nominal forms from the Indo-  
Pacific. Appreciable individual &  
geographic variation characterizes A.  
combatia & apparently also exists in  
A. capros.

FAO:hr

M

Pax, F. & I. Müller (1957) 59-6410  
Notes Inst.océanogr.Nhatrang, (46):40 p.  
Zoantharien aus Viet-Nam  
(Zoanthairs of Viet-Nam)

Describes 7 new spp. belonging to  
families Zoanthidae & Epizoanthidae.

FAO:dr

M

Vilela, H. & 59-6413  
M.C. Monteiro (1958)  
Notas Estab.Inst.Biol.Marit., (20):20 p.  
Infestação de mexilhões Mytilus edulis  
L., do rio Tejo pelo copépode Mytilicola  
intestinalis Steur (Infestation of  
the edible mussel Mytilus edulis L., of  
the Tagus river by the copepod Mytili-  
cola intestinalis Steur)

A study of samples of individuals of  
different sizes - 5 to 65 mm long &  
collection of data on temperature,  
salinity & surface movements of the  
estuary water indicated the percentage  
of infested individuals, by size,

Dawson, E.Y. (Ed.) (1959) 59-6411  
Pacif.Nat., 1(5):40 p.  
William H. Harvey's report on the  
marine algae of the United States  
North Pacific exploring expedition of  
1853-1856

Publication of a paper prepared in  
1858/59, from which diagnoses in  
latin had been published in 1859 as  
Proc.Amer.Acad.Arts.Sci., 4:327-34,  
under the title: Characters of new  
algae, chiefly from Japan and adjacent  
regions collected by Charles Wright of  
the North Pacific Exploring Expedition  
under Captain John Rogers. Lists the  
spp. & gives morphological notes on some

FAO:glk

M

59-6413  
(Card 2)  
number of parasites by individual,  
sex rate of parasites & environmental  
relations to the parasitism.

FAO:hr

MF



IHB (1959) 59-6415  
Int.hydr.Bull., (6):164-204

Contains notes on activities of the Bureau & information on charts, sailing directions, lights, tides & currents, work carried out & projected & new charts & new editions of charts.

FAO:glk

M

Lucas, C.E. (1959) 59-6418  
Scot.Fish.Bull., (11):8-9  
A new fisheries convention

Note on the signature in January 1959 of Fishery Convention for the N.E. Atlantic. Summary of its aims & provisions.

FAO:sjh

M

Voss, G.L. (1957) 59-6416  
Quart.J.Fla Acad.Sci., 20:129-32  
Observations on abnormal growth of the arms and tentacles in the squid genus Rossia

Description of collections of these deepwater benthic sepiolids, Rossinae, taken by ATLANTIS, 1938-39 around coast of Cuba.

FiB:sjh

M

Fraser, J.H. (1959) 59-6419  
Scot.Fish.Bull., (11):10-3  
The importance of plankton in maintaining fish stocks

General ill. article; refers to seasonal cycles, & grazing of herbivores, predators on fish larvae.

FAO:sjh

M

Parrish, B.B. (1959) 59-6417  
Scot.Fish.Bull., (11):2-8  
Scottish herring fishery forecast for 1959 and review of Scottish North Sea herring fishery in 1958

Abundance & locality prediction; effort & catch per unit effort charts for 1958.

FAO sjh

M

Fraser, J.H. (1959) 59-6420  
Scot.Fish.Bull., (11):14  
Deadly plant found in the sea

Corrections to inaccurate newspaper reports of effects of Gymnodinium blooms; culture of these dinoflagellates

FAO:sjh

M

Mason, J. (1959) 59-6421  
Scot.Fish.Bull., (11):15-7  
The cod's 'poor relations'

Notes on abundance, distribution & biology of bib, poutassou, poor cod & Norway pout.

FAO:sjh

M

Holliday, F.G.T. (1959) 59-6424  
Scot.Fish.Bull., (11):20  
News items

Short notes on distribution in Scottish waters of Velella, & on observations in tanks of the way in which struggles by Clupea harengus enhance its entanglement in gill nets.

FAO:sjh

M

Jones, R. (1959) 59-6422  
Scot.Fish.Bull., (11):18  
Fluctuations in the North Sea haddock stocks - II

Discusses possible effects on the fishery of the very poor 1956 & 1957 year-classes of Melanogrammus aeglefinus.

FAO:sjh

M

Strasburg, D.W. (1958) 59-6425  
Fish.Bull., U.S., 58:335-61  
Distribution, abundance and habits of pelagic sharks in the Central Pacific Ocean

Reproduction, morphometry, taxonomy; relation of abundance to temperature, longitude, depth, season, latitude; sex ratios; data for Pterolamiops longimanus, Carcharhinus melanopterus, Bulamia floridanus, Prionace glauca, Galeorhinus galeus, Lamna ditropis, Alopias spp. & Sphyrna spp.

FAO:sjh

M

Rae, B.B. (1959) 59-6423  
Scot.Fish.Bull., (11):19  
The Greenland shark

Note on reappearance of the sp. in North Sea & Faroes area, & capture of specimens in 1958/59 by Aberdeen trawlers; possible relation of distribution to temperature changes.

FAO:sjh

M

Yamashita, D.T. (1958) 59-6426  
Fish.Bull., U.S., 58:253-78  
Analysis of catch statistics of the Hawaiian skipjack fishery

All available records summarised for 1900-1953 relating to Katsuwonus pelamis & its associated live-bait fishery. (Stolephorus purpureus & Pranosus insularum mainly). Catches by areas, years, seasons, weights, values, catch per trip, catch per unit quantity of bait; disposal of catches.

FAO:sjh

M

Barnard, J.L. (1959) 59-6427  
Pacif.Nat., 1(3):3-12  
Generic partition in the amphipod  
family Cheluridae, marine wood borers  
  
Diagnosis of the family, its genera &  
spp., with discussion of distribution.

FAO:glk

M

Ghelardi, R.J. & 59-6430  
E.W. Fager (1959)  
Bull.ecol.Soc.Amer., 40:45  
Species structure of the animal  
community inhabiting Macrocystis  
pyrifer Hodlfasts

"Abstr. of paper to be read at Session  
on Marine Ecology (Chairman: E.W.  
Fager) of Ecological Society of America,  
17 June 1959." Study of cores taken by  
diving off California.

GLK:sjh

M

Barnard, J.L. (1959) 59-6428  
Pacif.Nat., 1(4):12-28  
Liljeborgiid amphipods of southern  
California coastal bottoms with a  
revision of the family

Diagnosis of the family, its genera &  
spp., with discussion of distribution.

FAO:glk

M

Enright, J.T. & 59-6431  
E.W. Fager (1959)  
Bull.ecol.Soc.Amer., 40:45  
Preliminary report on a complex tidal  
activity rhythm

"Abstr. of paper to be read at Session  
on Marine Ecology (Chairman: E.W.  
Fager) of Ecological Society of America,  
17 June 1959." Field observations on  
a burrowing intertidal amphipod,  
California.

GLK:sjh

M

Watt, K.E.F. (1959) 59-6429  
Canad.Ent., 91:129-44  
A mathematical model for the effect of  
densities of attacked and attacking  
species of the number attacked

Assumptions underlying 5 classical  
mathematical models of host-parasite &  
predator prey population dynamics are  
inadequate to account for published  
data. A new model has been developed &  
tested against available data for  
insects. Methods of obtaining parameter  
values for the model from field &  
laboratory data are outlined & ill.

SJH:sjh

G

Wohlschlag, D.E. (1959) 59-6432  
Bull.ecol.Soc.Amer., 40:45-6  
Metabolism of an Antarctic fish

"Abstr. of paper to be read at Session  
on Marine Ecology (Chairman: E.W.  
Fager) of Ecological Society of America,  
17 June 1959." O<sub>2</sub> consumption of  
Trematomus bernacchii from McMurdo Sound;  
laboratory studies, comparison with  
other cold-adapted fishes.

GLK:sjh

M



Packer, W.C. (1959) 59-6433  
Bull. ecol. Soc. Amer., 40:47  
Spatial localization in the newt,  
Taricha rivularis

"Abstr. of paper to be presented at  
Session on Comparative Behaviour  
(Chairman: N.E. Collias) of meeting  
of Ecological Society of America,  
17 June 1959." A field study has shown  
that members of this sp. return each  
year to same region of stream to breed  
& rarely enter at other points even  
following translocation. Ability to  
orient within a restricted area toward  
the site of their capture has been  
demonstrated.

GLK:sjh

F

Scott, J.P. (1958) 59-6436  
Univ. Chicago Press, 281 p.  
Animal behavior

General text describing methods of  
study & discussing such topics as  
anatomical, physiological genetic  
basis of behavior, learning, the  
organization of behavior, social  
aspects of behavior, the language of  
animals, behavior & environment, &  
behavior & evolution.

FAO:hr

MF

Reese, E.S. (1959) 59-6434  
Bull. ecol. Soc. Amer., 40:48  
Shell selection by hermit crabs

"Abstr. of paper to be presented at  
Session on Comparative Behaviour  
(Chairman: N.E. Collias) of meeting  
of Ecological Society of America,  
17 June 1959." Field & laboratory  
observations of Pagurus spp. in Florida.

GLK:sjh

M

Heuvelmans, B. (1958) 59-6437  
Paris, Librairie Plon, 498 p.  
Dans le sillage des monstres marins.  
I. Le kraken et le poulpe colossal  
(On the track of marine monsters.  
I. Giant octopuses and squids)

An ill. popular book on legends &  
present knowledge on cephalopods.

FAO:hr

M

Whitney, R.R. (1958) 59-6435  
Iowa St. Coll. J. Sci., 33(1):55-79  
Numbers of mature walleyes in Clear  
Lake, Iowa, 1952-3, as estimated by  
tagging

Detailed account of Stizostedion v.  
vitreum tagging experiment. Tag loss  
rates; selectivity of capture for  
tagging; estimates of mortality &  
movement rates.

SJH:sjh

F

Hvass, H. & 59-6438  
J. Guibé (1958)  
Paris, Fernand Nathan, 111 p.  
Les poissons (Fishes)

A coloured ill. list, in systematic  
order, of interesting fish spp. with  
brief description & habitat notes.

FAO:efa

MF

Zoological Society of India (1959) 59-6439  
Yearb. zool. Soc. India, 1957-58:80 p.

List of fellows & members, executive council, office-bearers, proceedings of annual general meeting with reports of editor, branches & affiliated bodies, & presidential address; accounts, history constitution & regulations of the Society & list of its publications.

GLK:glk

MF

Baranov, I.V. (1959) 59-6442  
C.R.Acad.Sci.U.R.S.S., 126:1082-3  
 Gidrokarbonatnye koeffitsienty v vodakh nekotorykh rek SSSR  
 (The hydrocarbonaceous coefficients of the waters of certain rivers of the USSR)

Annotation to follow.

FAO:

F

Dunstan, D.J. (1959) 59-6440  
Tech.Pap.Div.Fish.C.S.I.R.O., (5):22 p.  
 The barramundi Lates calcarifer (Bloch) in Queensland waters

General account of the distribution & biology of L. calcarifer, dealing with feeding habit, length-weight relation, age determination & growth rate, & reproduction; catches taken are discussed as evidence of abundance, & fishing methods are described.

FAO:glk

MF

Abrikosov, G.G. (1959) 59-6443  
C.R.Acad.Sci.U.R.S.S., 126:1139-40  
 K voprosu o geograficheskom rasprostranenii pokrytorotnykh presnovodnykh mshanok (A contribution to the problem of the geographic distribution of the Phylactolaemata of sweet water Bryozoa)

Annotation to follow.

FAO:

F

India. Ministry of Food & Agriculture (1958) 59-6441  
Indian Fish.Bull., 5(1):43 p.

Contains brief notes - some original, some brief digest of published work - on developments & research in fisheries in India, followed by digests of articles published outside India on non-Indian fisheries.

FAO:glk

MF

Rochford, D.J. (Comp.)(1959) 59-6444  
Oceanogr.Sta.List, 37:96 p.  
 Hydrological investigations from F.R.V. DERWENT HUNTER, 1957

Tables giving, for each station, date, time, & position, depths of water sampling, & for each sample temperature, chlorinity, O<sub>2</sub> content & percentage saturation, σ<sub>t</sub> & total phosphate.

GLK:glk

M

Haeggbloom, L.-E. (1959) 59-6445  
Mitt.int.Verh.Limnol., (10):24 p.  
 A thermistor thermometer which reads to  
 the nearest 0.01°C in the field.  
 De

Describes construction & use of this  
 instrument; its properties, results of  
 laboratory & field tests in Swedish  
 lakes.

SJH:sjh

FG

Nun, M. (1959) 59-6448  
Fish.Bull., Haifa, (19):4-6  
 (Chapters on the expansion of Israel  
 fishing in lake Tiberias). Iw

SJH:

F

Landahl, H.D. (1957) 59-6446  
Bull.math.Biophys., 19:171-86  
 Population growth under the influence  
 of random dispersal

Author had previously developed an  
 approximation method for the solution of  
 diffusion & related problems - Bull.  
math.Biophys., 14:49, 1953 -. Simple  
 linear expressions are substituted for  
 the correct solution.

:hdl

G

White, J.H. & 59-6449  
 B. Komarovsky (1959)  
Fish.Bull., Haifa, (19):6-9  
 (The use of copper naphthenate and  
 other copper soaps for the treatment  
 of fishing nets). Iw En

Full translation of a technical  
 paper presented by the authors to the  
 5th meeting of the GFCM in Rome, 1958.

SJH:jhw

M

Schulte, A. (1957) 59-6447  
Z.vergl.Physiol., 39:432-76  
 Transfer- und Transpositionsversuche  
 mit monokular dressierten Fischen  
 (Experiments on transfer and  
 transposition with monocularly trained  
 fishes)

Carassius vulgaris were trained to  
 discriminate monocularly between 2  
 visual stimuli.

:as

F

Chervinsky, J. (1959) 59-6450  
Fish.Bull., Haifa, (19):10-4  
 (A systematic and biological  
 comparison between the lizard fish,  
Saurida grandisquamis, from the  
 Mediterranean and the Red Sea).  
Iw En

Systematic & biological studies of  
 this Indo-Pacific spp. Meristic  
 & morphometric differences, life-  
 histories, spawning times, food.

SJH:sjh

M



Carmel, J. (1959) 59-6451  
Fish.Bull., Haifa, (19):19, 18-9  
(Tuna fishing on F.V. SHIMON HANU).  
Iw

Tabulates & discusses data for  
yellowfin, big-eye, darma, albacore,  
bluefin & black marlin.

SJH:sjh

M

Ben-Yami, M. (1959) 59-6454  
Fish.Bull., Haifa, (19):22-30  
(Trawler and trawl gear in action).  
Iw En

Report on the study of the  
Mediterranean trawl gear carried  
out in Israel 1956-1958. Abstr. of  
this paper will be given in the  
next issue.

SJH:mb

M

Ben-Tuvia, A. (1959) 59-6452  
Fish.Bull., Haifa, (19):16-7  
(Know your fish). Iw

Ill. with names & short notes on  
Phycis, Sarda, Conger, Euthynnus,  
Angilla (Muraena) & Peristedion spp.

SJH:sjh

M

Bates, M. & 59-6455  
D.P. Abbott (1958)  
New York, Charles Scribner's Sons,  
254 p.

Coral islands - Portrait of an atoll

Popular account of a survey of Ifaluk  
island in the Carolines group; notes  
on fish are incl.

FAO:glk

M

Bernstein, D. (1959) 59-6453  
Fish.Bull., Haifa, (19):20-2  
(Experiments with the Danish trawl net  
on R.F.V. HAZWI). Iw

SJH:

M

Carpovich, E.A. (1958) 59-6456  
New York, Tech.Dictionaries Co., 398 p.  
Russian-English biological & medical  
dictionary

Contains 35,000 Russian entries in  
general biology, botany, zoology,  
medicine & agriculture, arranged in  
Russian alphabetical order.

FAO:glk

MF

Defant, A. (1958) 59-6457  
Ann Arbor, Univ. Michigan Press, 121 p.  
Ebb and flow - The tides of earth,  
air, and water

Semi-popular account of tides, their  
nature, the means of measuring them,  
the forces by which they are generated,  
their origin, their manifestations in  
seas & oceans, internal tides, tidal  
oscillations in the atmosphere & in the  
ionosphere, & tides on land. 1st  
published as "Ebbe & Flut des Meeres  
Atmosphäre und der Erdfeste", 1953.

FAO:glk

M

California University. 59-6460  
Scripps Institution of  
Oceanography (1959)  
Quart.Progr.Rep.STOR, (6):17 p.

Progress report dealing with analysis  
of existing data, especially tuna  
availability in relation to  
oceanographic factors; sea level  
oscillations, instrumentation - tide  
gauges, anchored stations, tele-  
recording, bathythermometer;  
evaluation of phytoplankton production  
measurements.

GLK:sjh

M

Stommel, H. (1958) 59-6458  
Berkeley, Univ. California Press, 202 p.  
The Gulf stream - A physical and  
dynamical description

Historical introduction & observation  
methods; geostrophic relations, large-  
scale features of North Atlantic  
circulation, hydrography of the stream,  
& the wind system over the North  
Atlantic; linear & non-linear theories  
of the stream, & meanders in it,  
fluctuations in its currents, the role  
of the thermohaline circulation.

GLK:glk

M

Hong Kong. Director of 59-6461  
Agriculture, Fisheries &  
Forestry (1958)  
Hong Kong, Government Press, 128 p.  
Annual departmental report for the  
financial year 1957-58

Incl. report of the marine, fresh-  
water & oyster culture sections of  
the Fisheries Division; dealing with  
research, exploration, training,  
credit, statistics, fishing  
activities, boats, legislation &  
certification. Appendices tabulate  
statistical data regarding production  
& trade by spp., year, season, type

Australia. Commonwealth 59-6459  
Bureau of Census & Statistics (1959)  
Statist.Bull.Fish.Whal.Aust., 1957-58  
(4):18 p.

Tables, graphs & notes; data grouped  
as fish, crustacean & molluscs; pearl  
shell & trochus; whaling. Values &  
quantities of catch, processing, boats  
& equipment in use; production by spp.,  
states.

FAO:sjh

M

59-6461  
(Card 2)  
of fishing unit, vessel inventory, &  
incl. charts of fishing areas.

FAO:sjh

MF

Cviić, V. (1959) 59-6463  
Morsk.Ribarst., 11:90-2  
Produktivnost mora (Productivity  
of the sea). En

Problem in question is dealt with in a general way, later to be treated in connection with the Adriatic. Preliminary investigations show that the productivity is not the same in all regions, & that it is greater in the coastal region. A better organization of the fishing equipment, discovery of new fishing grounds & increase in the number of kinds of utilized sea

59-6465  
(Card 2)  
as possible the losses resulting from various causes, of which weak rope is one. Contains a description of Stojnić's experiences & of his method of work in preventing & reducing the losses.

FAO:vk

II

59-6463  
(Card 2)  
organisms should bring about greater yields.

FAO:vc

II

Grubišić, F. (1959) 59-6467  
Morsk.Ribarst., 11:95-6  
Koćarenje sa dva broda (Trawling  
with two ships). En

According to the author, the advantages of this kind of fishing are obvious, for the nets can be used in full measure & permanently, while also smaller craft are able to fish in deep water & also with much larger nets. In the sequence he explains what the vessels, equipment & method of work should be.

FAO:fg

II

Križanec, V. (1959) 59-6465  
Morsk.Ribarst., 11:94-5  
O novoj tehnici gajenja kamenica u Limskom kanalu (A new oyster  
breeding technique in the Lim channel).  
En

This well-known oyster breeding expert presents in this article the results achieved in the Lim channel by using a new oyster breeding technique on the western coast of Istria in the Lim channel. I. Stojnić, who is working in this breeding ground, is performing experiments aiming at reducing as much

Grubišić, F. (1959) 59-6468  
Morsk.Ribarst., 11:105-7  
Eksperimentiranje i tehnika ribolova (Experimentation and fishing  
technique). En

Deals in a general way with investigations of the sea & the role of science in such investigations, stressing their necessity.

FAO:fg

II



Basioli, J. (1959) 59-6469  
Ilorsk.Ribarst., 11 118-9  
Ribarstvo Crnogorskog primorja  
(Fisheries on the Montenegro littoral).  
En

A survey of the conditions,  
potentialities & kind of the fisheries  
in this part of the Adriatic. States  
that the occurrence of sardines in  
these waters is habitual, but that  
there are marked fluctuations in  
respect of the strength of the  
schools.

FAO:sjb

M

Toner, E.D. (1959) 59-6472  
Salm.Trout Mag., (156):104-10  
Predator and prey relationships

Consideration of relative growth  
rates, fecundities, survival &  
behaviour of Esoc lucius & Salmo  
trutta.

FAO:sjh

F

U.S. Naval Research 59-6470  
Laboratory (1959)  
Washington, D.C., 63 p.  
Report of NRL progress

Contains (p. 54) progress report on  
development & trials of shipboard  
data-recording equipment for use in  
digital signal processing of under-  
water acoustics studies.

FAO:sjh

MG

Richards, C. (1959) 59-6473  
Salm.Trout Mag., (156):111-7  
Some thoughts by the Wye

Article on the prospects of the  
fisheries in this Welsh river.

FAO:sjh

F

Went, A.E.J. (1959) 59-6471  
Salm.Trout Mag., (156):95-103  
Historical notes on some ancient  
fishing engines in Ireland - II.

Continues descriptions of fishing  
weirs on various rivers, used for  
catching Salmo salar.

FAO:sjh

MF

Godden, R.A. (1959) 59-6474  
Salm.Trout Mag., (156):118-23  
Twenty years after

Account of a fishing trip, with notes  
on the state of the inland fisheries  
in that country.

FAO:sjh

F

Grey, L. (1959) 59-6475  
Salm.Trout Mag., (156):124-9  
A kerry fishery

Account of the salmon fishery  
in Caragh river, Linn.

FAO:sjh

F

Netherlands. Centraal 59-6478  
Bureau voor de Statistiek (1959)  
Zeist, 34 p.

Statistiek van de visserij 1958  
(Fishery statistics, 1958)

Tables, diagrams & analytical notes:  
fishing craft & manpower, production -  
herring, trawl, shellfish, freshwater,  
landings by gear, area & type of craft,  
fishing effort -, processing & trade,  
prices & values; whaling.

FAO:sjh

MF

Brown, M.E. (1959) 59-6477  
Salm.Trout Mag., (156):134-7  
Biological notes

Notes on territories and competition  
among young trout and salmon  
Pacific salmon.

FAO:sjh

F

Martín Salazar, F. (1958) 59-6479  
Bol.Pesca Venez., (5):24 p.

Actividades de la pesca e industria de  
la sardina durante los años 1956 y  
1957 (Sardine fishing and  
industrial activities during 1956 and  
1957)

A review of the fisheries during  
1956/57 ill. by maps of fishing  
grounds & landings & processing  
statistics.

GLK:hr

M

Switzer, J. (1958) 59-6477  
Abstr. Theses Univ. Reading 1957-58  
A survey of certain fauna of some  
littoral zones in Langstone and  
Chichester harbours

Nitrogen & sulphide contents of mud  
& their thixotropic & dilatant  
properties; fauna of half-metre  
quadrats, local variations being  
correlated with characteristics of the  
mud.

FiB:sjh

M

California University. 59-6480  
Scripps Institution of

Oceanography (1959)  
Memor.Scripps Instn Oceanogr., 10 March,  
10 p.  
Memorandum

An ill. account of current research  
programmes of the Institution;  
cruise schedules & objectives.

FiB:sjh

M

Montén, E. (1959) 59-6483

Stockholm, 21 p.

Salmon fishery in spite of hydro-electric developments

A general review of Salmo salar fishery, research, protection & culture

FAO:sjh

MF

Hanson, H.C. (1959) 59-6484

Science, 129:1354

Fundamentals of ecology

Review of 59-6483.

FAO:

MF

Australia Commonwealth 59-6484

Scientific & Industrial Research

Organization (1958)

Canberra, 174 p.

Tenth annual report of the Commonwealth Scientific and Industrial Research Organization for the year 1957-58

Incl. report on fisheries & oceanography, under headings: General; Operations of research vessels; Fisheries biology; Taxonomy & Embryology; Hydrology; Physical oceanography; Productivity; Zooplanktology; Marine fouling; Phytoplankton; Biochemistry.

FAO:sjh

M

Harlow, H.F. &

C.N. Woolsey (1958)

Madison, Univ. Wisconsin Press, 476 p.

Biological and biochemical bases of behaviour

Deals with symposium held at the University of Wisconsin. Presents initial papers, with some attention to other contributions.

:efa

G

Odum, E.P. (1959) 59-6485

Philadelphia, Saunders, 546 p.

Fundamentals of ecology

A text book in 3 parts: I. Basic ecological principles & concepts; II. The habitat approach; III. Applied ecology. The ecosystem approach emphasized.

:efa

MF

Gerard, R.W. (1959) 59-6486

Science, 129:1355

Biological and biochemical bases of behaviour

Review of 59-6485.

FAO:

G



<p>U.K. Salmon &amp; Trout Association (1959)  <u>Salm.Trout Mag.</u>, (155):70 p.</p> <p>Contains editorial notes, correspondence, papers &amp; discussion at Association meetings, reports of committees, biological notes, accounts, book reviews.</p> <p>FAO:sjh MF</p>	<p>Drury, R.E.H. (1959) 59-6490  <u>Salm.Trout Mag.</u>, (155):22-8  The rights of riparian owners in relation to river board activities</p> <p>A note on the situation in the U.K. Followed by discussion.</p> <p>FAO:sjh F</p>
<p>Levinge, R. (1959) 59-6488  <u>Salm.Trout Mag.</u>, (155):9-12  The case for artificial propagation of salmon</p> <p>A discussion paper referring to <u>Salmo salar</u> fisheries in Ireland.</p> <p>FAO:sjh MF</p>	<p>Fleming, P. (1959) 59-6491  <u>Salm.Trout Mag.</u>, (155):29-42  The prevention of poaching in lochs and rivers near main roads in Scotland</p> <p>Note on legislation &amp; enforcement problems for Atlantic salmon &amp; trout. Followed by discussion.</p> <p>FAO:sjh MF</p>
<p>Frost, W.E. (1959) 59-6489  <u>Salm.Trout Mag.</u>, (155):13-21  The case for artificial propagation of salmon</p> <p>A discussion paper referring to <u>Salmo salar</u> &amp; <u>Oncorhynchus</u> fisheries, &amp; to 59-6488, followed by discussion.</p> <p>FAO:sjh MF</p>	<p>Brown, M.E. (1959) 59-6492  <u>Salm.Trout Mag.</u>, (155):64-6  Biological notes</p> <p>Notes under headings: Spawning behaviour; Brown trout in small, acid streams.</p> <p>FAO:sjh</p>

Enequist, P. (1959) 59-6493  
Göteborgs Havsfiskeför.Åarsb., 1958,  
 285 p.  
 Årsbok 1958 (Yearbook 1958)

Annual report of the association,  
 nautical tables, Swedish fisheries  
 administration, review of fishery  
 regulations, various conversion tables,  
 fisheries statistics & various other  
 short notes for fishermen.

FAO:tl

M

Anonymous (1959) 59-6496  
Mar.Obs., 29:86  
 State of sea photographs

State of sea photographs from force  
 1 to force 10, with request for  
 more photographs.

FAO:tl

M

L.B.P. (1959) 59-6494  
Mar.Obs., 29:82-4  
 Ocean current observations

Instructions for ships on observing  
 surface currents with emphasis on the  
 accuracy of the observations  
 depending on the determination of  
 positions.

FAO:tl

M

Roll, H.U. (1958) 59-6497  
Hamburg, 15 p.

Zur Niederschlagsmessung auf See:  
 Ergebnisse von Vergleichsmessungen  
 auf Feuerschiffen und benachbarten  
 Inseln (The measurement of  
 precipitation at sea: results of  
 comparative measurements obtained on  
 light-ships and neighbouring islands)

Review of the problem of the  
 measurement of precipitation at sea;  
 comparison of existing measurements  
 with measurements on island stations  
 & recommendations for future  
 improvement of the measurements.

tl

M

Anonymous (1959) 59-6495  
Mar.Obs., 29:84-5  
 The National Oceanographic Council -  
 Annual report

Summary of the following items of the  
 report: marine physics, marine  
 biology & the activities of RRS  
 DISCOVERY II.

FAO:tl

M

P.R.B. (1959) 59-6498  
Mar.Obs., 29:87

The measurement of precipitation at  
 sea: results of comparative  
 measurements obtained on light-ships  
 and neighbouring islands

Review of 59-6497.

FAO:

M

Petri, O. (Comp.) (1958) 59-6499  
Hamburg, 38 p.  
 Statistik der Meereswellen in der  
 Nordsee-auf Grund von Beobachtungen der  
 Bordwetterwarten des Deutschen  
 Wetterdienstes (North Sea wave  
 statistics - based on observations of  
 ship weather stations of the German  
 Meteorological Service)

Presentation of statistics in  
 graphical & tabular form &  
 discussion of the results.

stl

M

feeding habits of the spp. &  
 compares the fishes, their feeding  
 habits & environments for both lakes  
 to indicate their grouping by  
 different biotopes.

FiB:hr

F

P.R.B. (1959) 59-6500  
Mar.Obs., 29:88  
 North Sea wave statistics - based on  
 observations of ship weather stations  
 of the German Meteorological Service

Review of 59-6499.

FAO:

M

Brehm, V. (1959) 59-6503  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3):67-100  
 Cladocera. De

A taxonomic study encompassing also  
 information on zoogeography of the  
 spp., planktonic forms, biotopic  
 classification of the spp. & their  
 occurrence in the stomach of  
 different spp. of fish in the lakes  
 Kivu, Edward & Albert.

FiB:hr

F

Verbeke, J. (1959) 59-6501  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3):1-66  
 Le régime alimentaire des poissons des  
 lacs Eduard et Albert (The feeding  
 habits of fishes of lakes Edward and  
 Albert)

Outlines the main groups of  
 invertebrates of the lakes, & gives  
 in tabular form, the results of  
 studies of stomach & intestine contents  
 of 17 spp. of lake Edward & 23 of lake  
 Albert. Summarizes the results of the  
 study in an attempt to establish the

Hincks, W.D. (1959) 59-6504  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3) 101-6  
 Dermaptera. En

A list of 10 sp. with notes on  
 distribution & abundance.

FiB:hr

F



Jacquemart, S. (1959) 59-6505  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3):127-36  
 Trichoptera du lac Albert  
 (Trichoptera of lake Albert)

A taxonomic study of the spp. with tabular information of the distribution of the spp. in lakes Kivu, Edward & Albert.

FiB:hr

F

Vrydagh, J.-M. (1959) 59-6500  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3):189-96  
 Bostrychidae. Fr

A list of 6 spp. with notes on distribution from lakes Kivu, Edward & Albert.

FiB:hr

F

Chrispeels, A. (1959) 59-6506  
Résult.sci.Explor.hydrobiol.Kivu,  
Eduard & Albert, 3(3):137-88  
 Larves de Chironomidae (Diptera Nematocera)  
 (Larvae of Chironomidae - Diptera Nematocera)

The 1st part contains a morphological description of the most common groups of spp. of lakes Kivu, Edward & Albert & an identification key; the 2nd contains descriptions of the stations, with lists of the spp. collected. Some information on the vertical distribution of the benthic larvae is given. The importance of chironomid

Carlisle, D.B. & 59-6509  
 F. Knowles (1959)  
London, Cambridge Univ. Press, 120 p.  
 Endocrine control in crustaceans

MF

59-6507  
 (Card 2)  
 larvae as food for fish is discussed.

FiB:hr

F

Naylor, E. & 59-6510  
 D.J. Slinn (1958)  
J.Anim.Ecol., 27:15-25  
 Observations on the ecology of some brackish water organisms in pools at Scarlett Point, isle of Man

Description of environmental characteristics of the pools. Qualitative & quantitative composition of the biota; habitat preferences of Idotea chelipes, Jaera nordmanni & J. albifrons, Gammarus duebeni & Procerodes ulvae.

FAO:sjh

MF

Edwards, R.L. (1958) 59-6511  
J.Anim.Ecol., 27:37-45  
Movements of individual members in a  
population of the shore crab, Carcinus  
maenas L., in the littoral zone

Marking experiments - by clipping  
toothed carapace - in Southampton  
water gave movement, population  
densities & survival rates, size  
differences on shore & off-shore, by  
sexes.

FAO:sjh

M

Tucker, D.S. (1958) 59-6514  
J.Anim.Ecol., 27:105-19  
The distribution of some fresh-water  
invertebrates in ponds in relation to  
annual fluctuations in the chemical  
composition of the water

14 month survey of 16 ponds in  
S. England; special reference to  
molluscs, leeches, flatworms, Gammarus  
& Asellus. Relation of distribution  
to water hardness & colour.

FAO:sjh

F

Orians, G.H. (1958) 59-6512  
J.Anim.Ecol., 27:71-84  
A capture-recapture analysis of a  
shearwater population

Marking experiments on Procellaria  
puffinus breeding on Skokholm Island,  
S. Wales, gave population size of these  
predators on fish.

FAO:sjh

MG

Macan, T.T. (1958) 59-6515  
J.Anim.Ecol., 27:159-61  
Reflections of an ecologist  
  
Critical review of 583430.

FAO:

G

Leslie, P.H. (1958) 59-6513  
J.Anim.Ecol., 27:84-6  
Statistical appendix

Distribution & ecological notes on  
spp. studied in survey 1953-56 of 144  
small lakes; relation of occurrence  
of some spp. to occurrence of aquatic  
weeds.

FAO:sjh

F

Swift, D.R. (1958) 59-6516  
J.Anim.Ecol., 27:161  
Fish physiology

Critical review of 570207.

FAO:

MF

Votintsev, K.K. & 59-6517  
 N.V. Verbolova (1959)  
C.R.Acad.Sci.U.R.S.S., 126:650-3  
 O vliianii sgonno-nagonnykh iavlenii i  
 vnutrennykh voln na gidrokhimicheskii  
 rezhim ozera Baikal (On the  
 influence of internal waves and  
 variations of the water level caused by  
 the wind on the hydrochemical regime  
 of lake Baikal)

Annotation to follow.

FAO:

F

Stavrovskii, A.S. (1959) 59-6520  
C.R.Acad.Sci.U.R.S.S., 126:763-6  
 Rasprostraneniye voln na granitse  
 uprugogo poluprostvanstva  
 vyzyvaemykh volnami zhidkosti v  
 basseine so skachkoobrazno  
 meniaiushcheisia glubinoi  
 (Propagation of waves at the boundary  
 surface of an elastic semispace,  
 caused by wave motion in a liquid-  
 filled basin in which the depth changes  
 abruptly)

Annotation to follow.

FAO:

MG

Vladimirov, V.I. & 59-6518  
 K.I. Semenov (1959)  
C.R.Acad.Sci.U.R.S.S., 126:663-6  
 Kriticheskii period v razvitii  
 lichinok ryb (A critical period in  
 the development of fish larvae)

Annotation to follow.

FAO:

MF

Lisitsyn, A.P. (1959) 59-6521  
C.R.Acad.Sci.U.R.S.S., 126:863-6  
 Novye dannye o raspredelenii i sostave  
 vzveshennykh veshchestv v moriakhs i  
 okeanakh v svyazi s voprosami geologii  
 (Recent data on the distribution and  
 composition of substances in  
 suspension in seas and oceans, viewed  
 in connection with geologic problems)

Annotation to follow.

FAO:

M

Chinarina, A.D. (1959) 59-6519  
C.R.Acad.Sci.U.R.S.S., 126:667-70  
 Izmeneniye okraskei treski Gadus morhua  
morhua L., odinochnoi i v stae, v  
 zavisimosti ot fona (Color  
 variation in Gadus morhua morhua L.,  
 both individual and in shoal, as  
 dependent on the background)

Annotation to follow.

FAO:

F

U.S. Bureau of Sport 59-6522  
 Fisheries & Wildlife. Branch  
 of Fish Hatcheries (1958)  
Statist. Dig. U.S. Fish Wildl. Serv., (42)  
 44 p.  
 Propagation and distribution of food  
 fishes for the calendar year 1955-1956  
 Tabulates the fish & fish eggs  
 distributed by fish-cultural stations.

FiB:efa

F



Ewing, J. & 59-6523  
M. Ewing (1959)  
Bull.geol.Soc.Amer., 70(3):291-317  
Seismic-refraction measurements in the  
Atlantic ocean basins, in the  
Mediterranean sea, on the mid-Atlantic  
ridge, and in the Norwegian Sea

GA 1(4)1-886.

M

McKee, E.D., J. Chronic 59-6526  
& E.B. Leopold (1959)  
Bull.Amer.Ass.Petrol.Geol., 43(3):  
501-62  
Sedimentary belts in lagoon of  
Kapingamarangi Atoll

GA 1(4)1-950. Systematic bottom  
sampling in the lagoon of  
Kapingamarangi Atoll, Caroline  
islands, indicates that sediments  
accumulating there are of 6 principal  
types, each characteristic of &  
largely restricted to definite depth  
limits.

M

Maldonado-Koerdell, M. (1958) 59-6524  
Ciencia, 18(7-8):105-13  
Recientes adelantos en geofísica y  
geología submarinas en las areas del  
Oceano Pacífico próximas a México  
(Recent progress in submarine  
geophysics and geology in Pacific ocean  
areas near Mexico)

GA 1(4)1-900.

M

McMurtrey, R.G. & al. (1959) 59-6527  
Bull.Mont.Bur.Mines, (9):45 p.  
Preliminary report on the geology and  
water resources of the Bitterroot  
valley, Montana, with a section on  
chemical quality of water

GA 1(4)1-955.

F

Gorsline, D.S. & 59-6525  
K.O. Emery (1959)  
Bull.geol.Soc.Amer., 70(3):279-90  
Turbidity-current deposits in San Pedro  
and Santa Monica basins off Southern  
California

GA 1(4):1-949.

M

World Fishing Boat 59-6528  
Congress 2nd (1959)  
FAO, Rome, 5-10 April 1959  
Papers

Incl. prospectus, report, list of  
participants, list of documents &  
contributions to meeting of which  
theme was fishing craft, performance  
& sessions of which were conducted  
under topic headings: tactics;  
construction; sea behaviour;  
productivity. Contributions have  
abstr. in English, French & Spanish.  
Those of particular interest in

59-6520  
(Card 2)

connection with resources studies & fisheries assessments are annotated as follows, 59-6530, 59-6531, 59-6549, 59-6558, 59-6568 & 59-6576; the others are cited only.

FiB:sjh

MG

De Wit, J.G. (1959)

59-6532

World Fish.Boat Congr., 2, Pap.no.3, 11 p.

Drift-netting: deck design and equipment. Fr Es

FiB:x

Hardy, A.C. (1959) 59-6530  
World Fish.Boat Congr., 2, Pap.no.1, 5 p.  
Principal fishing boat types.  
Fr Es

Gives a table of types of craft, incl. research vessels, used in each country.

FiB:sjh

Colvin, T.E. (1959)

59-6533

World Fish.Boat Congr., 2, Pap.no. 4, 15 p.

Gillnet fishing: deck design and equipment. Fr Es

FiB:x

Svenkerud, H.(Comp.)(1959) 59-6531  
World Fish.Boat Congr., 2, Pap.no.2, 6 p.  
Nomenclature and symbols

A table of technical terms & units of measurement used by naval architects.

FiB:sjh

MG

Kanasashi, Y., C. Doke

59-6534

& S. Ohigusa (1959)

World Fish.Boat Congr., 2, Pap.no. 5, 23 p.

Longline fishing: deck design and equipment. Fr Es

FiB:x

Muramatsu, S. (1959) 59-6535  
World Fish.Boat Congr., 2, Pap.no. 6,  
13 p.  
Pole and line fishing: deck design  
and equipment. Fr Es

FiB:x

Hanson, H.C. (1959) 59-6538  
World Fish.Boat Congr., 2, Pap.no. 9,  
5 p.  
Steel and wood scantling tables  
(Western coast of U.S.A.). Fr Es

FiB:x

von Brandt, A. & 59-6536  
C. Birkhoff (1959)  
World Fish.Boat Congr., 2, Pap.no. 7,  
15 p.  
Trawling: deck design and equipment.  
Fr Es

FiB:x

Simpson, D.S. (1959) 59-6539  
World Fish.Boat Congr., 2, Pap.no. 10,  
34 p.  
Suggested standard scantlings.  
Fr Es

FiB:x

Hardy, A.C. & 59-6537  
H.E.H. Pain (1959)  
World Fish.Boat Congr., 2, Pap.no.8,  
8 p.  
Centralised control of trawlers.  
Fr Es

FiB:x

Delabelo, P.B. (1959) 59-6540  
World Fish.Boat Congr., 2, Pap.no. 11,  
12 p.  
Glass reinforced plastic hulls.  
Fr Es

FiB:x



Reay, G.A. & 59-6541  
J.M. Shewan (1959)  
World Fish.Boat Congr., 2, Pap.no. 12,  
16 p.  
The care of the catch. Fr Es

FiB:x

Stokke, I.B. (1959) 59-6544  
World Fish.Boat Congr., 2, Pap.no. 15,  
10 p.  
Propulsion engines for fishing boats.  
Fr Es

FiB:x

MacCallum, W.A. (1959) 59-6542  
World Fish.Boat Congr., 2, Pap.no. 13  
28 p.  
The fish room - Engineering and  
architecture. Fr Es

FiB:x

Hopwood, G. & 59-6545  
N.W.H. Newse (1959)  
World Fish.Boat Congr., 2, Pap.no. 16,  
17 p.  
Steam versus diesel. Fr Es

FiB:x

Slavin, J.W. (1959) 59-6543  
World Fish.Boat Congr., 2, Pap.no. 14,  
15 p.  
Icing versus freezing. Fr Es

FiB:x

Süberkrüb, F. (1959) 59-6546  
World Fish.Boat Congr., 2, Pap.no. 17,  
8 p.  
Propulsion systems for motor trawlers.  
Fr Es

FiB:x

Chardome, A. (1959) 59-6547  
World Fish. Boat Congr., 2, Pap.no. 18,  
10 p.  
Recent trawlers fitted with multiple  
reduction gears. Fr Es

FiB:x

Chapelle, H.I. (1959) 59-6550  
World Fish. Boat Congr., 2, Pap.no. 21,  
15 p.  
Comments on hull form design of  
fishing boats. Fr Es

FiB:x

Inamura, K. & 59-6548  
M. Nimoniya (1959)  
World Fish. Boat Congr., 2, Pap.no. 19,  
6 p.  
Device for raising and lowering  
propellers. Fr Es

FiB:x

Gillman, T.C. (1959) 59-6551  
World Fish. Boat Congr., 3, Pap.no. 22,  
10 p.  
Model tests of some fishing launches.  
Fr Es

FiB:x

Benford, H. & 59-6549  
M. Kossa (1959)  
World Fish. Boat Congr., 2, Pap.no. 20,  
18 p.  
An analysis of dimensions, weights  
and costs. Fr Es  
  
A general detailed analysis of factors  
of vessel size.

FiB:ajh

NG

Lackenby, H. (1959) 59-6552  
World Fish. Boat Congr., 2, Pap.no. 23,  
17 p.  
Review of B.S.R.A. trawler research.  
Fr Es

FiB:x

Tothill, J.T. (1959) 59-6553  
World Fish.Boat Congr., 2, Pap.no. 24,  
18 p.  
An advanced hull and propeller design.  
Fr Es

FiB:x

Möckel, W. (1959) 59-6556  
World Fish.Boat Congr., 2, Pap.no. 27,  
18 p.  
Behaviour of trawlers at sea - II.  
Fr Es

FiB:x

Dickson, W. (1959) 59-6554  
World Fish.Boat Congr., 2, Pap.no. 25,  
11 p.  
The loads imposed by trawling gear.  
Fr Es  
  
Tabulation of towing performance of 2  
trawlers of very different sizes.  
Measurements of drag on gear, developed  
horse-power, & speed; discussion of  
these.

FiB:sjh

M

Zwolsman, W. (1959) 59-6557  
World Fish.Boat Congr., 2, Pap.no. 28,  
5 p.  
Remarks on the shape of Dutch coastal  
fishing boats. Fr Es

FiB:x

Vossers, G. (1959) 59-6555  
World Fish.Boat Congr., 2, Pap.no. 26,  
14 p.  
New perspectives in sea behaviour.  
Fr Es

FiB:x

van Manen, J.D., G. Vossers 59-6558  
& H. Rijken (1959)  
World Fish.Boat Congr., 2, Pap.no. 29,  
8 p.  
Tests with a trawler model in waves.  
Fr Es

Incl. measures of trawling speeds &  
drag, & discussion of these.

FiB:sjh

M



Traung, J.-O. (1959) 59-6559  
World Fish. Boat Congr., 2, Pap.no. 30,  
14 p.  
The prismatic coefficient. Fr Es

FiB:x

Takagi, A. (1959) 59-6562  
World Fish. Boat Congr., 2, Pap.no. 33,  
12 p.  
Notes on stability. Fr Es

FiB:x

Doust, D.J. (1959) 59-6560  
World Fish. Boat Congr., 2, Pap.no. 31,  
11 p.  
Trawler forms with bulbous bows.  
Fr Es

FiB:x

Paulling, J., Jr. (1959) 59-6563  
World Fish. Boat Congr., 2, Pap.no. 34,  
12 p.  
Transverse stability of tuna clippers.  
Fr Es

FiB:x

Taniguchi, K. (1959) 59-6561  
World Fish. Boat Congr., 2, Pap.no. 32,  
9 p.  
Tests of fishing boat models in waves.  
Fr Es

FiB:x

Jablonski, O. (1959) 59-6564  
World Fish. Boat Congr., 2, Pap. no. 35,  
10 p.  
A method to determine freeboard in  
relation to stability. Fr Es

FiB:x

Wendel, K. (1959) 59-6565  
World Fish. Boat Congr., 2, Pap.no. 36,  
16 p.  
Safety from capsizing. Fr Es

Beach, D.D. (1959) 59-6566  
World Fish. Boat Congr., 2, Pap.no. 39,  
8 p.  
Commercial outboard fishing craft.  
Fr Es

Incl. description of the hydrographic  
conditions.

FiB:sjh

M

Miller, Wm.C. (1959) 59-6566  
World Fish. Boat Congr., 2, Pap.no. 37,  
11 p.  
Causes of accidents. Fr Es

Otsu, Y., N. Yokoyama 59-6569  
& T. Kobayashi (1959)  
World Fish. Boat Congr., 2, Pap.no. 40,  
10 p.  
Traditional Japanese small fishing  
craft. Fr Es

FiB:x

Gurtner, P. (1959) 59-6567  
World Fish. Boat Congr., 2, Pap.no. 38,  
16 p.  
Development of a boat for India's surf  
coasts. Fr Es

Ringhaver, L.C. (1959) 59-6570  
World Fish. Boat Congr., 2, Pap.no. 41,  
9 p.  
Design and mass production of shrimp  
trawlers. Fr Es

FiB:x

FiB:x

Serlett, E.C.B. & J. Venus (1959) 59-6571  
World Fish. Boat Congr., 2, Pap.no. 42,  
 10 p.  
 Development of a trawler of unorthodox  
 design. Fr Es

Nakata, T. (1959) 59-6574  
World Fish. Boat Congr., 2, Pap.no. 45,  
 10 p.  
 Diesel whale catchers. Fr Es

FiB:x

Boogaard, P. (1959) 59-6572  
World Fish. Boat Congr., 2, Pap.no. 43,  
 7 p.  
 The Netherlands post-war fishing  
 fleet. Fr Es

Sato, S. (1959) 59-6575  
World Fish. Boat Congr., 2, Pap.no. 46,  
 17 p.  
 Modern refrigerated factory ships  
 in Japan. Fr Es

FiB:x

Heinsohn, H. (1959) 59-6573  
World Fish. Boat Congr., 2, Pap.no. 44,  
 15 p.  
 Design studies for stern trawlers.  
 Fr Es

Swiecicki, J. (1959) 59-6576  
World Fish. Boat Congr., 2, Pap.no. 47,  
 16 p.  
 Choice of boat type and size for  
 Polish deep-sea fisheries.  
 Fr Es

Analyses trends of development in  
 world fisheries; criteria of choice  
 of vessel for specific production  
 conditions; approximate, statistical,  
 & graphical methods for analysis &  
 correlation of parameters of vessel,  
 distance to grounds, crew size, daily  
 catch, etc.  
 FiB:sjh M



Edlie, G.C. (1959) 59-6577  
World Fish.Boat Congr., 2, Pap.no. 48,  
13 p.  
Propulsion and processing machinery  
for deep-sea trawlers. Fr Es

FiB:x

Foderá, V., A. Cambiano 59-6580  
& R. Sará (1959)  
World Fish.Boat Congr., 2, Pap.no. 41,  
11 p.  
Des bateaux de pêche siciliens  
specialisés (Specialized  
Sicilian fishing boats). En Es

FiB:x

Guerroult, E.R. (1959) 59-6578  
World Fish.Boat Congr., 2, Pap.no.49,  
Navire français de grande pêche salée  
(French salt-fish trawlers).  
En Es

FiB:x

Ghigi, A. (1959) 59-6581  
Ric.sci., 29:905-29  
Protezione della natura e parchi  
nazionali nel giro del mondo boreale  
(Protection of wild life and national  
parks in a flight through the northern  
hemisphere). En Fr De

Account of visit to museums, aquaria  
& national parks in USA, Japan,  
Philippines, Thailand, Burm, India  
& Nepal.

FAO:glk

MF

Doust, D.J. (1959) 59-6579  
World Fish.Boat Congr., 2, Pap.no. 50,  
11 p.  
Statistical analysis of resistance data  
for trawlers. Fr Es

FiB:x

Anonymous (1959) 59-6582  
Fish.News Lett.Aust., 18(5):5  
"Red tide" in Port Phillip Bay  
Note on this occurrence in Victoria,  
Australia.

GLK:glk

11



Sket, B. (1959) 59-6583  
Bull.sci.Youg., 4:105-6  
 Einige neue Formen der Malacostraca  
 aus Jugoslawien - II (New  
 Malacostraca from Yougoslavia - II)

III. Description of Asellus pavani  
dominatus sp.nov., & new spp. of  
Monolistra berica, Niphargus aquilex &  
N. orcinus.

FAO:sjh

F

Buljan, M. (1959) 59-6586  
Bull.sci.Youg., 4:111  
 Evidence of non-adiabatic (volcanic)  
 warming of the deep waters of a sea

XVIth general assembly of the  
 International Commission for the  
 Scientific Investigation of the  
 Mediterranean, Monaco, 20th-25th  
 October, 1958.

FAO:

M

Czihak, G. & 59-6584  
 H. Zei (1959)  
Bull.sci.Youg., 4:110  
 Photography, television and the use  
 of bottom sampler, compared as  
 methods for quantitative analyses of  
 benthic populations

Summary of a report read before the  
 16th assembly of CIESM in Monaco,  
 October 1958.

FAO:

MF

Georgiev, M. (1957) 59-6587  
Folia balc., 1:39-49  
 Uber die Hydrachniden des Ohridsee-  
 Bassins (On the hydrachnids of the  
 lake Ohrid basin)

List of known spp., author found  
 45 spp. of which 16 are new to  
 Macedonia & 22 to the basin.

:sjh

F

Marinković, M. & 59-6585  
 H. Zei (1959)  
Bull.sci.Youg., 4:110-1  
 The nutritive value of fish flesh  
 considered in relation to the ecology  
 of fishes

Summary of a report read before the  
 16th assembly of CIESM in Monaco,  
 October 1958.

FAO:

MF

Karaman, S. (1957) 59-6588  
Folia balc., 1(7):35-8  
 Eine neue Ingolfiella aus Jugoslawien,  
Ingolfiella petkovskii n.sp.  
 (A new Ingolfiella in Yugoslavia,  
Ingolfiella petkovskii n.sp.)

Description of ground-water form.

:sjh

F

Collier, A., K.H. Drummond 59-6589  
& G.B. Austin, Jr. (1958)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(249):417 p.

Gulf of Mexico physical and chemical  
data from ALASKA cruises - with a note  
on some aspects of the physical  
oceanography of the Gulf of Mexico

Tables incl. observations on salinity,  
temperature, sigma-t, nitrate-nitrite  
nitrogen, total phosphorus, inorganic  
phosphorus, "carbohydrates", and  
"proteins". Some special data on the  
uranium & phosphorus content of  
certain water samples & sediments

Worthington, E.B. (1958) 59-6592  
Hertford, S.Austin & Sons Ltd., 462 p.  
Science in the Development of Africa

Part I deals with principles &  
generalities; part II with the  
physical background; part IV with  
human subjects; part III, dealing with  
biological subjects, contains chapter  
on fisheries, marine & inland,  
describes the problems & reports  
research to solve them.

FAO:glk

MF

59-6589  
(Card 2)

are incl. A brief introduction incl.  
remarks on the physical oceanography  
of the Gulf of Mexico & the study of  
organic compounds.

GLK:glk

M

Grabda, Z. & J. Loefer 59-6593  
A. J. G. (1958)  
Parasitology, 140 p.

Parasitology and parasitologists in  
Poland

A general review of progress in  
parasitological science in Poland  
containing lists of institutions,  
research workers & the problems,  
prepared on account of the 10th  
anniversary of the foundation of the  
Polish Parasitological Society;  
has alphabetical index showing  
institutions & workers - by reference

Hine, R.L. (Ed.) (1959) 59-6591  
Wisconsin Conserv.Dep., Madison, 104 p.  
Research in Wisconsin - A technical  
digest of research results in fish,  
forest and game management (1957-58)

Reports, by the research workers  
engaged, of investigations on trout -  
population study, habitat evaluation -  
warm-water spp. - population study,  
general biology -, pathology &  
nutrition of fishes, & ecology &  
physiology of lake fishes; objectives  
& procedures are generally given for  
each project.

WAD:glk

F

59-6593  
(Card 2)  
numbers - concerned with fish  
parasites.

GLK:eg

MF



Poulsen, E.M. (1959) 59-6595  
Halifax, N.S. Canada, 4 p.  
ICNAF newsletter no. 32

Contains current information about activities of ICNAF & its committees, publications, news of fishing operations in the NW Atlantic as known at date of issue, 8 July 1959.

FiB:sjh

II

Anonymous (1959) 59-6598  
New Scient., 5:888-9  
Robot weather men for the South

Note on Melbourne symposium on Antarctic meteorology, & the use of ship-borne & automatic weather stations in the Southern Ocean.

FAO sjh

M

Portugal. Direcção das 59-6596  
Pescarias (1958)  
Lisboa, Ministério da Marinha, 57 p.  
Estatística das pescas marítimas no  
continente e ilhas adjacentes no ano  
de 1956 (Marine fisheries  
statistics for the continent and  
adjacent islands in 1956)

Production of fish, molluscs,  
crustaceans & cetaceans by spp.,  
months, area & method of capture;  
vessels constructed & operating;  
number of fishermen employed. Incl.  
data for brackish waters.

FAO:sjh

MF

Anonymous (1959) 59-6599  
New Scient., 5:906  
Robot helmsman for trawlers

Note on trial of an automatic  
steering device.

FAO sjh

M

Portugal. Direcção das 59-6597  
Pescarias (1958)  
Lisboa, Ministério da Marinha, 57 p.  
Estatística das pescas marítimas no  
continente e ilhas adjacentes no ano  
de 1957 (Marine fisheries  
statistics for the continent and  
adjacent islands in 1957)

Production of fish, molluscs,  
crustaceans & cetaceans by spp.,  
months, area & method of capture;  
vessels constructed & operating;  
number of fishermen employed. Incl.  
data for brackish waters.

FAO:sjh

MF

Anonymous (1959) 59-6600  
New Scient., 5:929  
Deep-sea crawler

A short note on an unidentified non-swimming fish reported by Scripps Institution from deep water off West Mexico.

FAO:sjh

M

Biebl, R. (1959) 59-6601  
 Bot.mar., 1(1-2):2-14  
 Zellphysiologische Beobachtungen an  
 Blaszellen einiger Rotalgen  
 (Cell physiological observations on  
 vesicular cells of red algae).  
 En Fr

Determination of hypotonic resistance  
 of vesicular cells of Asparagopsis  
armata, Falkenbergia rufulanosa,  
Bonnemaisonia hamifera, Trailliella  
intricata, Antithamnion plumula &  
A. sarniense showed considerable  
 differences in the osmotic resistance  
 of the vesicular cells of the

Bergquist, P.L. (1959) 59-6604  
 Bot.mar., 1(1-2):22-53  
 A statistical approach to the ecology  
 of Hormosira banksii. Fr De

A detailed ecological study of  
 populations of this brown alga, the  
 most prominent member of midlittoral  
 communities on sheltered coasts in  
 New Zealand.

En Fr

59-6601  
 (Card 2)  
 Bonnemaisoniaceae & the Ceramiaeae.

SJH:rb

M

Schmid, O.J. (1959) 59-6605  
 Bot.mar., 1(1-2):54-64  
 Marine Rotalgen. Chemie und  
 praktische Bedeutung - I. Mitteilungs:  
 Chemische Zusammensetzung (Marine  
 red algae. Chemistry and practical  
 importance - I. Chemical composition)

A literature review, with  
 tabulations of data for many spp.;  
 incl. discussion of vitamins,  
 antibiotics, ash, metals, amino-  
 acids, carbohydrates, lipoids.

SJH:sjh

M

Söderström, J. (1959) 59-6603  
 Bot.mar., 1(1-2):15-21  
 A Swedish find of Antithamnion  
cruciatum (Ag) Naegeli & genuina  
 Kolderup Rosenvinge. Fr De

Describes this plant - known in Sweden  
 previously only as f. radicans - & its  
 habitat, Borgila Fjord - a sea loch in  
 mid-Bohuslän. Many ill.

SJH:sjh

M

Sorens, E. (1957) 59-6606  
 Bull.Soc.zool.Fr., 32(1):107-19  
 Observations sur Orthopagurus harmsi  
 Gordon (Observations on  
Orthopagurus harmsi Gordon)

A taxonomic study with observations  
 on the systematic position of the  
 sp.(issued as: Contr.Inst.oceanogr.  
Whatrang, (28) ).

FAO:hr

M

Anonymous (1959) 59-6607  
Mondo d.Natura, (3):65-6  
Alosa (Alosa)

Article on Clupeidae consisting of synopsis of Alosa alosa under headings: morphological & anatomical characteristics, life cycle, ecology & distribution.

HR:hr

MF

Anonymous (1959) 59-6610  
Mondo d.Natura, (3):80-1  
Amiiformi (Amiiformae)

Article on Amiidae consisting of synopsis of Amia calva under headings: morphological, anatomical characteristics, life cycle, ecology, distribution & relation to men.

HR:hr

F

Anonymous (1959) 59-6608  
Mondo d.Natura, (3):75  
Ambliopsidi (Ambliopsidae)

Article on Amblyopsidae consisting of synopsis of varicus spp. under headings: morphological & anatomical characteristics, ecology & distribution, relation to men.

HR:hr

F

Anonymous (1959) 59-6611  
Mondo d.Natura, (3):81-3  
Ammoditi (Ammodytæ)

Article on Ammodytæ consisting of synopsis of Ammodytes lanceolatus, A. dubius, A. lancea & Gymnammodytes cicerellus under headings: morphological & anatomical characteristics, life cycle, distribution & relation to men.

HR:hr

M

Anonymous (1959) 59-6609  
Mondo d.Natura, (3):76-8  
Ameiuridi o Amiuridi (Ameiuridae or Amiuridae)

Article on Ameiuridae consisting of synopsis of Ameiurus nebulosus under headings: morphological & anatomical characteristics, life cycle, ecology, classification & distribution, relation to men.

HR:hr

F

Anonymous (1959) 59-6612  
Mondo d.Natura, (3):87-8  
Anabantili (Anabantidae)

Article on Anabantidae consisting of synopsis of Anabas testudineus, A. multispinis, A. rhodesianus, A. congitus & A. nanus under headings: morphological, anatomical & other characteristics, life cycle, ecology, distribution & relation to men.

HR:hr

F



Abbott, D.P. (1958)	6455	Beaulieu, G. (1958)	6407
Abbott, R.T. (1958)	6220	Beck, J.C. &	
Abe, H. & H. Kurata (1957)	5939	W.M. Beck, Jr. (1959)	6154
Abe, S. (1959)	5715	Beck, W.M., Jr. (1959)	6154
Abe, T. (1957)	5836 5838 5939	Beeton, A.M. (1958)	6017
Abe, T. (1958)	5841 5046	Belcher, D.D. (1958)	6045
Abonnenc, E. et al. (1957)	6238	Bell, R. (1958)	6013
Abrikosov, G.G. (1959)	6443	Benford, H. &	
Achjat, (1958)	6074	M. Kossa (1959)	6549
Agapova, A.I. (1958)	6212	Benson, N.G. (1958)	6053
Age, T. (1957)	5037	Ben-Tuvia, A. (1959)	6452
Ahlstrom, E.H. &		Ben-Yami, M. (1959)	6454
R.C. Counts (1958)	5707	Bergquist, P.L. (1959)	6604
Ahmad, N. (1958)	6075	Bernard, F. (1959)	5937
Albe-Fessard, D. &		Berner, L. (1959)	5994
A. Fessard (1959)	5936	Bernstein, D. (1959)	6453
Aldrich, D.V. (1958)	6188	Berry, E.G. (1958)	6193
Allen, G.H. (1958)	6011 6031	Berry, F.H. (1959)	6412
Alves, W. (1958)	6197	Bertholdt, W. (1958)	5954
Ambe, K.S. &		Bhimachar, B.S. (1959)	5870
K. Sohonie (1957)	5704	Biebl, R. (1959)	6601
American Fisheries		Birkhoff, C. (1959)	6536
Society (1958)	6010	Bisalyaputra, U. &	
Amidjaja, R. (1958)	6071	K. Suriyong (1958)	6087
Anantaraman, S. (1959)	6264	Blanc, M. et al. (1958)	6182
Andersen, F.S. (1958)	5854	Blanco, G.J. (1957)	5792
Austin, G.B., Jr. (1958)	6589	Boev, S.N., I.G. Galuzo &	
Australia. Commonwealth Bureau		E.V. Gvozdev (Ed.) (1957)	6291
of Census & Statistics (1959)	6459	Bond, C.E. (1959)	6004
Australia. Commonwealth Scientific		Boogaard, P. (1959)	6572
& Industrial Research		Borovicka, R.L. (1958)	6028
Organization (1958)	6402	Brandes, C.H. &	
Bal, D.V. (1957)	5868	R. Dietrich (1957)	6367
Balfour-Browne, F. (1958)	6224	Bratberg, E. (1959)	5920
Bali, J.B. & C.E. Bond (1959)	6004	Brattström, H. (1959)	6226
Ball, J.N. (1958)	6248	Brehm, V. (1959)	6503
Ball, O.P. (1958)	6030	Bright, D.B. (1959)	6005
Baltus, E. (1959)	6113	Brodie, J.W. (1957)	5879
Banner, A.H. (1958)	6211	Brown, M.E. (1959)	6476 6492
Baranov, I.V. (1959)	6442	Brünner, G. (1958)	5970
Barber, B.A. (1957)	6252	Brunet, R. (1958)	5806
Barbosa, F.S. &		Bückmann, A. et al. (1959)	5905
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Barnes, H. &		Burns, R.H. (1958)	5743
M. Barnes (1959)	6116	Burridge, E.W. (1959)	6385
Barnes, M. (1959)	6116	Burrows, R.E. (1958)	5716
Bary, B.M. (1957)	5861	Burrows, R.E. &	
Basioli, J. (1959)	6469	B.D. Combs (1958)	5724
Bates, M. &		Burton, M. (1958)	5872
D.P. Abbott (1958)	6455	Buss, K. (1959)	6149
Bayliff, W.H. (1959)	6007	Buss, K. &	
Baylor, E.R. &		J.E. Wright (1958)	6027
F.E. Smith (1957)	6157	Butcher, R.W. (1959)	6271
Beach, D.D. (1959)	6562	Butters, B. (1959)	6218
		Buttner, A. (1958)	6192

Cairns, J., Jr. & A. Scheier (1958) California University. Scripps Institution of Oceanography (1959)	6230 6460 6480
Calvez, D.L. (1958)	6090
Cambiano, A. (1959)	6580
Capron, A. (1958)	6181
Carbine, W.F. (1958)	6051
Carlander, K.D. (1958)	6014
Carlisle, D.B. & F. Knowles (1959)	6509
Carmel, J. (1959)	6451
Carpovich, E.A. (1958)	6456
Carter, B.T. (1958)	6050
Caspers, H. (1957)	5739
Cassie, R.M. (1957)	5885
Cerf, R. (1959)	5935
Chance, C.J. & O.F. Haslbauer (1958)	5715
Chancellor, A.P. (1958)	5736
Chapelle, H.I. (1959)	6550
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Chervinsky, J. (1959)	6450
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Chinarina, A.D. (1959)	6519
Chindaprasert, V. (1958)	5758
Chrispeels, A. (1959)	6506
Chronic, J. (1959)	6526
Clark, J.R. & E.L. Dietsch (1959)	6242
Clark, R.B. (1959)	6122
Clarke, A.H., Jr. & R.J. Menzies (1959)	6260
Claus, G. (1959)	5807
Codreanu, R. (1959)	5938
Collier, A., K.H. Drummond & G.B. Austin, Jr. (1958)	6589
Colvin, T.E. (1959)	6533
Combs, B.D. (1958)	5724
Combs, B.D. & R.E. Burrows (1958)	5716
Corbet, P.S. (1959)	6215
Corlett, E.C.B. & J. Venus (1959)	6571
Counts, R.C. (1958)	5707
Coxon, T.L.J. (1958)	6406
Cresp, J. (1959)	5687
Cridland, C.C. (1959)	6217
Crisp, D.J. (1957)	5830
Crisp, D.J. (1959)	6137
Crisp, D.J. & D.H.A. Marr (1957)	5828
Crittenden, E. (1959)	6006
Croghan, P.C. (1958)	5987 5988 6173

Cuiaba. Departamento Estadual de Estatística (1957)	5727
Cumberbatch, E. (1958)	5678
Cviić, V. (1959)	6463
Czihak, G. & M. Zei (1959)	6584
Dahl, E. (1959)	6238
Daiber, F.C. (1959)	6003
D'Ancona, U. (1959)	6262
Darbyshire, J. (1959)	6337
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Davies, D.M. (1959)	6119
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Greenberg, A. (1957)	5975	Heuvelmans, B. (1958)	6437
Greene, A.F.C. (1958)	6044	Heydorn, A.E.F. (1959)	6114
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Grice, F. (1958)	6071	Hino, K.L. (Ed.) (1959)	6591
Grubišić, F. (1959)	6467 6148	Hobbs, H.H., Jr. (1958)	6229
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Gunasekera, C. (1958)	6086	Hogben, C.A.M. (1959)	5824
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		Forestry (1958)	6461
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Hansen, V. (1959)	5927	Howes, W.J. (1958)	5952
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	6538	G.E. Drewry (1959)	6008
Hardjohutomo, H. (1958)	6092	Hubbs, C., G.E. Drewry &	
Hardy, A.C. (1958)	5700	B. Warburton (1959)	5825
Hardy, A.C. (1959)	6530	Hubendick, B. (1958)	6198
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Harlow, H.F. &		Huet, M. &	
C.N. Woolsey (1958)	6445	J.-A. Timmermans (1959)	5802
Harriman, D.M. (1959)	6445	Hvass, H. &	
Harrison, M. (1958)	5689	J. Guibé (1958)	6438
Harry, H.W. &		Hyde, R.C. (1958)	6281
D.V. Aldrich (1958)	6123	Hynes, H.B.N. (1958)	5746
Hart, C.W., Jr. (1959)	6247 6381	Idyll, C.P. (1958)	6037
Harvey, H.W. (1957)	5873	Inamura, K. &	
Haslbauer, O.F. (1958)	5715	M. Nimoniya (1959)	6548
Hasler, A.D. (1959)	5958	India. Ministry of Food &	
Haslott, A.W. (1958)	5235	Agriculture (1958)	6441
Haslett, A.W. (1959)	5217 5245	IPFC (1957)	6372
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Itazawa, Y. (1959)	6265	Kulp, J.L. (1959)	5813
Jablonski, O. (1959)	6564	Kumerloeve, H. (1957)	6289
Jackson, D.J. (1959)	6225	Kurata, H. (1957)	5939 6400 6401
Jackson, J. (1959)	5826	Kutkuhn, J.H. (1958)	6019
Jacquemart, S. (1959)	6505	L.B.P. (1959)	6494
Jean, Y. (1959)	5906	Laarhoven, J.F. (1958)	5964
Jefferies, D.J. (1958)	6249	Lackenby, H. (1959)	6552
Jensen, A.C. (1959)	5898	Lackey, J.B. (1957)	6404 6405
Jolly, V.H. (1957)	5886	Lafont, R. (1958)	6091
Jones, R. (1959)	6422	Laird, M. (1959)	6118
Jones, W.C. (1957)	5831	Landahl, H.D. (1957)	6446
Jónsson, J. & J. Magnusson	5929	Lane, F.W. (1957)	5874
Kaberry, A.C. (Chairm.) (1957)	5878	Lane, J.P. (1958)	6026
Kahn, B. & S.A. Reynolds (1958)	5734	Lanoix, J.N. (1958)	6194
Kanasashi, Y., C. Doke & S. Chigusa (1959)	6534	LaPointe, D.F. (1958)	6024
Kanazawa, R.H. (1959)	5820	Larkin, P.A. (1958)	6053
Karaman, S. (1957)	6588	Laron, S.V. (1958)	6089
Keir, R.S. (1959)	5911 5912 5919 5930 5931	Lawday, L.M. (1959)	5926
Keiz, G. (1958)	6399	Lawson, R.M. (1958)	6283
Kerswill, C.J. (1959)	6384	Le Cren, E.D. (1958)	6130
Khartoum. University Hydrobiological Research Unit (1958)	5850	Le Cren, E.D. (1959)	6139
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Kilby, J.D., E. Crittenden & L.E. Williams (1959)	6006	Lenier, R. (1959)	5833
Kimmins, D.E. (1958)	6133	Lennon, R.E. & P.S. Parker (1958)	6147
Kimsey, J.B. (1958)	6041	Leopold, E.B. (1959)	6526
Kleinholz, L.H. (1957)	6162	Leslie, P.H. (1958)	6513
Knowles, F. (1959)	6509	Lever, J. (1958)	5945 5953 5972 5973
Kobayashi, T. (1959)	6569	Levinge, R. (1959)	6488
Komarovsky, B. (1959)	6449	Lillelund, K. (1958)	6368
Komiya, Y. et al. (1958)	6200	Lindley, D.V. (1958)	6286
Kong, S.M. (1958)	6078	Lisitsyn, A.P. (1959)	6521
Koontz, R.L. (1957)	5740	Lister, B.A.J. (1958)	5728
Koostedjo, R. & Achjat (1958)	6074	Loftus, K.H. (1958)	6035
Kossa, M. (1959)	6549	Loomis, W.F. (1959)	5986
Kozar, Z. (1958)	6593	Lougee, R.J. (1959)	5823
Kraft, H. (1959)	5976	Lowy, J. & B.M. Millman (1959)	6235
Krijgsman, B.J. & N.E. Krijgsman (1957)	6166	Lucas, C.E. (1959)	6418
Krijgsman, N.E. (1957)	6166	Lucas, C.E. & G.C. Trout (1959)	5907
Kristjonsson, H. (1958)	6081	Lundin, S.J. (1959)	6129
Križanec, V. (1959)	6465	Lusyne, P.A. (1958)	6080
Krone, W. (1958)	5948	Macan, T.T. (1958)	6515
Kroon, J.H. (1958)	5977	MacArthur, R. (1958)	5773
Kubota, S. (1957)	6156	MacCallum, W.A. (1959)	6542
Kubota, S.S. (1957)	6155	Mackintosh, N.A. (1959)	5857
		MacLeod, R.A., H. Hogenkamp & E. Onofrey (1958)	5726
		Macro, E. (1958)	6294
		Magnusson, J. (1959)	5929
		Maldonado-Koerdell, M. (1958)	6524
		Malok, A.E. (1958)	6187



Mandeville, W.L. (1958)	5946	Nakata, T. (1959)	6574
Mangerel, P. (1957)	6402	Naumann, K.U. (1958)	6370
Mann, H. (1958)	6396	Naylor, E. &	
Mann, K.H. (1959)	6153	D.J. Slinn (1958)	6510
Mansfield, A.W. (1959)	6126	Nelson, C.T. &	
Mansueti, R. (1958)	5869	R.L. Koontz (1957)	5740
Margalef, D.R. (1958)	5769	Netherlands. Centraal Bureau	
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Marr, D.H.A. (1957)	5828	E.L. Scott (1958)	5774
Marshall, N.B. (1959)	6142	Neyman, J., E.L. Scott &	
Martin, A.W. (1957)	6165	C.D. Shane (1958)	5775
Martin, W. &		Ngaorangsri, V. (1958)	5754
A.H. Banner (1958)	6211	Nghi, N.N. (1958)	6082
Martin, W.E. (1958)	6202	Nichols, D. (1959)	6141
Martin Salazar, F. (1958)	6479	Nielsen, E. Steemann (1958)	6096
Mason, J. (1959)	6421	Nieuwenhuizen, A.v.d. (1958)	5958' 5961
Matsumoto, W.M. (1958)	6379		
Maurin, C. (1959)	6151	Nimoniya, M. (1959)	6548
Maushart, R. (1958)	6403	Nourisson, M. (1959)	5685
May, A.W. (1959)	5924	Novak, G.E. &	
McCracken, F.D. (1959)	5914 5915 5932	A.G. Pilipenko (1958)	6204
McKee, E.D., J. Chronic &		Nümann, W. (1958)	6398
E.B. Leopold (1959)	6526	Nun, M. (1959)	6448
McMurtrey, R.G. et al. (1959)	6527		
Meister, A.L. &		Oberacker, D.P. (1959)	5892
C.F. Ritzi (1958)	5709	Odum, E.P. (1959)	6483
Menard, H.W. (1959)	6380	Ogino, C. (1958)	5690
Menzies, R.J. (1959)	6260	O'Gower, A.K. (1959)	6128
Merican, A.B.O. (1958)	6068	Okada, Y. &	
Mewse, N.W.N. (1959)	6545	S.S. Kubeta (1957)	6155 6156
Meyer, A. (1958)	6390	Oliver-Gonzales, J. (1958)	6175
Miller, G.C. (1958)	6199	Olson, S.J. (1959)	5925
Miller, M.C. (1958)	6250	Olson, D.E. (1958)	6016
Miller, Wm.C. (1959)	6566	Olsson, R. (1958)	5981
Millman, B.M. (1959)	6235	Onofrey, E. (1958)	5726
Miyamoto, H. (1958)	6111	Ophel, I.L. (1957)	5731
Miyamoto, H. &		Orians, G.H. (1958)	6512
A.T. Shariff (1958)	6094	Orr, R.H. (1959)	6240
Möckel, W. (1959)	6556	Ostroumov, E.A. &	
Montalban, H.R., G.J. Blanco &		V.V. Shilov (1957)	5827
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Monteiro, M.C. (1958)	6413	T. Kobayashi (1959)	6569
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Moran, P.A.P. (1959)	6150		
Motta, F. (1959)	5781	P.R.B. (1959)	6498 6500
Msangi, A.S. (1958)	6178	Packer, P.E. (1958)	6049
Mühlberger, C. (1959)	5951	Packer, W.C. (1959)	6433
Müller, I. (1957)	6410	Pahari, R. (1958)	6063
Mullan, J.W. (1958)	5714	Pain, H.E.H. (1959)	6537
Muncy, R.J. (1958)	6269	Palckar, V.C. &	
Munro, H. (1959)	6219	D.V. Bal (1957)	5868
Muramatsu, S. (1959)	6535	Palmer, J.R. (1958)	6175
Mužinić, R. (1958)	5705 5706	Paloheimo, J.E. (1959)	5916
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Paquette, R.G. (1959)	5681	Reitzig, K. (1958)	5955
Partk, T. (1958)	5774	Reynolds, S.A. (1958)	5734
Parker, P.S. (1958)	6117	Richards, C. (1959)	6473
Parker, R.A. & A.D. Hasler (1959)	5998	Richter, W. (1957)	5991
Parrish, B.B. (1959)	5911 6117	Riddick, T.M. (1958)	5737
Parsons, J.W. (1958)	6042	Rigby, J.E. & D. Rawson (1958)	6206
Passano, L.M. (1957)	6158	Riggs, C.D. (1958)	6039
Pathansali, D. & S.M. Kong (1958)	6078	Rijken, H. (1959)	6558
Patriarche, M.H. & R.S. Campbell (1958)	6034	Ringhaver, L.C. (1959)	6570
Patterson, A.M. (1957)	5684	Ritzi, C.F. (1958)	5709
Paul, A.R. (1957)	5982	Roback, S.S. (1958)	6227
Paulling, J., Jr. (1959)	6563	Robertson, J.D. (1957)	6164
Pax, F. (1957)	6290	Robertson, N.G. (1957)	5877
Pax, F. & I. Müller (1957)	6410	Robertson, O.H. (1958)	6377
Peck, L.G. & R.N. Hazelwood (1958)	6285	Robins, C.R. (1959)	5677
Perry, F. (1958)	5940	Rochford, D.J. (Comp.) (1959)	6444
Peru. Consejo de Investigaciones Hidrobiologicas (1958)	6255	Rodriguez Martin, O. (1959)	5918
Petri, O. (Comp.) (1958)	6499	Roelofs, E.W. (1958)	6029
Phasukavanich, C., G. Sand & P. Tavaranusorn (1958)	5755	Roll, H.U. (1958)	6497
Phillips, A.M., Jr. (1958)	5712	Ronquillo, I.A. (1957)	5792
Phillips, J. (1958)	5701	Rose, M. (1957)	6408 6409
Phillips, R.C. (1959)	6256	Rose, S.M. (1959)	6259
Pickering, Q.H. (1958)	6015	Rounsefell, G.A. (1958)	6376
Pilipenko, A.G. (1958)	6204	Rounsefell, G.A. & J.E. Evans (1958)	6144
Pilkington, R. (1957)	5875	Rucker, R.R. (1958)	6046 6053
Pillay, T.V.R. (1958)	5708	Ruivo, M. & G.V. Quartin (1959)	5896 5902
Poll, M. (1959)	6386	Ruivo, M. & G. Quartin (1959)	5917
Portugal. Direcção das Pescarias (1958)	6596 6597	Russell, F.S. (1959)	6232
Posgay, J.A. (1958)	5723	Russell, H.H. (1958)	5732
Posgay, J.A. (1959)	5203	Rutstein, M.S. (1958)	5867
Poulsen, E.L. (1959)	5899 6243 6595	Sacher, G.A. (1958)	5812
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Powell, S.T. (1958)	5738	Sadlington, K. & W.L. Tompton (1958)	5742
Pringle, J.W.S. (1957)	6159	Sahrhage, D. (1958)	6392 6393
Pumphrey, R.J. (1959)	5816	Saila, S.B. (1958)	6033
Purkett, C.A., Jr. (1958)	6022	Sand, G. (1958)	5755
Quartin, G. (1959)	5917	Sanford, F.B. (1958)	5694
Quartin, G.V. (1959)	5896 5902	Sará, R. (1959)	6580
Rae, B.B. (1959)	6423	Sato, S. (1959)	6575
Rajagopal, M.V. & K. Schonie (1957)	5695	Schattergeel, L.W.	6295
Rapoport, A. (1958)	5768	Schaeffer, B. (1959)	5821
Rawson, D. (1958)	6206	Schantz, E.J. et al.	5699
Razumova, E.P. (1958)	6205	Scheer, B.T. (1957)	6163
Reay, G.A. & J.M. Shewan (1959)	6541	Scheier, A. (1958)	6230
		Schiemenz, F. (1958)	6369
		Schmid, O.J. (1959)	6605
		Schönfeld, D. (1958)	5941
		Schulander, T.F. (1959)	5815
		Schubert, (1958)	6389
		Schubert, K. (1958)	6391

Schulte, A. (1957)	6147	Sparks, A.K. &	
Schultz, L.P. &		V.E. Thatcher (1958)	6210
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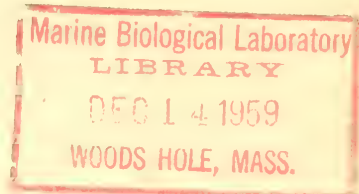
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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

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Errata

Please delete Nos. 571907, 59-2932, 59-4814, 59-4807  
59-4814, 59-4968, 59-5003, 59-5047

570898	cacles	should read	cable
59-3772	fishsries	" "	fisheries



Addenda

Brook, A.J. (1957) 583900  
Naturalist, Lond., (862):97-100  
Notes on desmids of the genus  
Staurostrum. I. Staurostrum pseudopela-  
gicum, S. subcruciatum, S. avicula and  
S. denticulatum

Taxonomic notes.

FiB:wcb

F

Brook, A.J. (1957) 583905  
Trans.bot.Soc.Edinb., 37:114-22  
Notes on freshwater algae, mainly from  
lochs in Perthshire and Sutherland

Reports on rare or new records of  
algae for Scotland & British Isles.

FiB:wcb

F

Brook, A.J. (1957) 583906  
Naturalist Lond., (861):37-9  
On some forms of Micrasterias new to  
or rare in Britain

List with morphological notes.

FiB:glk

M

Smith, I.W. (1957) 584024  
Salm.Trout Mag., (150):148-50  
The occurrence of damaged sea trout on  
the east coast of Scotland

Ill. & descriptions of fish with wounds  
usually on left shoulder. Various  
suggestions as to cause incl. lamprey  
attack, bacterial, fungal or protozoal  
infection.

FiB:sjh

MF

Johnson, M.W. (1958) 585808  
Proc.Calif.Acad.Sci., 29(6):257-65  
Bathycalanus sverdrupi, n. sp., a  
copepod crustacean from great depths in  
the Pacific Ocean

Ill. morphological account of the spp.

FAO:glk

M



Menzies, R.J. (1958) 585809  
Proc. Calif. Acad. Sci., 29(7):267-72  
The distribution of wood-boring  
Limnoria in California

Contents as per title.

FAO:glk

M

Beatty, L.D. & 59-2569  
F.F. Hooper (1958)  
Pap. Mich. Acad. Sci., 43:89-106  
Benthic associations of Sugarloaf Lake

Describes 3 biotic associations for the littoral zone on basis of soil & vegetation characteristics & quantitative differences in animal assemblages.

FiB:wcb

F

Hubbs, C.L. & 585810  
A.B. Rehnitzner (1958)  
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A new fish, Chaetodon falcifer, from  
Guadalupe Island, Baja California, with  
notes on related species.

For the new spp.: collecting notes & habitat data, distribution, distinctions, relations, diagnosis, description of fins, scales & lateral line, body & head characters, osteological features, coloration & measurements, distinctive characters & relations of 3 other Eastern Pacific Chaetodontines; taxonomic notes on Atlantic spp.

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M

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Nature Mag., 51(7):351-4  
The hickory shad unmasked

Identification of spawning areas in E. USA hatching & rearing of young in laboratory.

FiB:sjh

MF

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Behaviour, supp. VI, 154 p.  
The reproductive behaviour of the ten-spined stickleback (Pygosteus pungitius L.)

This report presents a detailed description & analysis of the reproductive behaviour of the ten-spined stickleback. In addition to a reproductive ethogram, descriptions of non-reproductive behaviour patterns are also given.

FiB:dm

F

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Proc. Okla. Acad. Sci., 38:146-54  
Summary of a three-year creel census on Lake Eucha and Spavinaw Lake, Oklahoma, with comparisons of other Oklahoma reservoirs

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FiB:wcb

F

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G. Teissier (1957)  
C.R.Acad.Sci., Paris, 244:501-4  
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Halammohydra (Hydrozoaires)  
(Organization and development of  
Halammohydra, Hydrozoa)

Morphological notes.

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570216  
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international collaboration on the  
protection of waters against  
pollution.

FiB:tl

F

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C.R.Acad.Sci., Paris, 244:511-3  
Recherches cytologiques sur la  
formation des carotinoïdes chez  
certain poissons (Cytological  
research on the formation of  
carotinoids of certain fish)  
  
Observations on the stages of  
formation of carotinoid pigments in  
the caudal, dorsal & ventral fins of  
Serranus cabrilla, Pagellus erythrinus,  
Dantex macrophthalmus, D. vulgaris, &  
Julis vulgaris.

FAO:glk

M

Doukan, G. (1957) 582946  
De Graff, New York, 356 p.  
The world beneath the waves

MA 10(2)34. Popular book on submarine  
exploration, underwater hunting,  
equipment & conditions of life;  
submarine archaeology, photography,  
moving picture & television; marine  
biology & submarine research &  
knowledge obtained by these methods.

:ma

M

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Ost.Wasserw., 9(4):75-7  
Rechtsprobleme der internationalen  
Zusammenarbeit auf dem Gebiete des  
Gewässerschutzes (Legal problems of  
international cooperation in the  
protection of streams)

Review of the present & future  
pollution problem; present juridical  
stands of national & international  
laws concerned with water pollution,  
with special reference to boundary  
waters; Austrian problems in the field  
of water pollution with neighbouring  
states; proposal for future

FAO/59/10/7201

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at sea

MA 10(4)104. A study of 1315 pairs of  
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estimated speeds corresponded to those  
measured within 1-3 kn (same Beaufort  
number) in 60% of the cases; 28% were  
underestimated & 12% overestimated.

TL:ma

M

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H.D. Hoese (1958)

Tex.J.Sci., 10:343-8

Notes and records of marine fishes  
from the Texas coast

Records of Hoplunnis tenuis Ginsburg,  
Ablennes hians Valenciennes,  
Syngnathus pelagicus Linnaeus, Thunnus  
thynnus Linnaeus, Istiophorus  
americanus Cuvier, Tetrapterus  
belone (?) Rafinesque, Alectis  
crinitus Mitchell, Pomacentrus leuco-  
stictus Müller & Troschel, Halichoeres  
bivittatus Bloch, Sparisoma radians  
Valenciennes, Pomacanthus paru Bloch,

Leontsev, A.M. (1957) 59-2214

Met.Gidrolog., (5):21-5

Okeanograficheskaya izuchennost'  
Tikhogo okeana (State of knowledge  
on the oceanography of the Pacific  
Ocean)

MA 10(4)55. Brief history of  
scientific oceanographic observations  
in the Pacific Ocean. Distribution of  
available deep water observations  
for the Pacific Ocean are shown on a  
map. The necessary observations for the  
Pacific Ocean are discussed.

:ma

M

59-0747

(Card 2)

Holocanthus isabelita Jordan &  
Rutter & Lophiomus sp.

FAO:efa

M

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Publ.sci.Ass.Océanogr.phys., (18):83 p.

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and changes of surface-level in oceans,  
seas and lakes by wind and atmospheric  
pressure 1726-1955

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literature on storm surges, relations  
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or pressure & currents or sea level.  
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lakes are considered. Entries are  
listed chronologically from 1726-1955  
(alphabetically by author within each  
year).

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MF

Selitskaia, E.S. (1957) 59-2233

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(On the problem of internal waves)

MA 10(2)65. A brief summary is given  
of the history of observations on  
internal waves. Analyzes a striking  
example of internal waves observed in  
the North Sea.

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Proc.Okla.Acad.Sci., 38:157-72

The standing crop of fish in Oklahoma  
ponds

An examination of standing crop,  
length-frequency distribution,  
growth rate & longevity data on 42  
ponds.

FiB:wcb

F



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		4978	5096	5093
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		5533	5578	5590
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	Salvelinus sp.			4520
1,24	Esox		4993	5068
1,32	Diaphus			5053
1,33	Aphyocharax			5575
	Hyphessobrycon			5180
	Poecilobrycon			5087
1,39	GYMNOTIDAE			4587
1,40	Barbus		4620	5193
	Carassius	4867	4874	5067
		5153		
	Catla			5646
	Chela			5655
	Clinostomus			5003
	COBITIDAE			5100
	CYPRINIDAE		4548	4550
	Cyprinus	4872	4876	4889
		5066	5076	5093
		5129	5151	5160
		5344	5673	
	Gyrinocheilus			5152
	Misgurnus		4856	5090
	Nemacheilus			5073
	Notropis			5008



1,40 (continued)

	<i>Pelecus</i>			5032
	<i>Pimphales</i>			4540
	<i>Rutilus</i>	5150	5525	5589
	<i>Scardinius</i>			5154
1,41	<i>Amphilius</i>			4620
	<i>Chiloglanis</i>			5524
	<i>Chrysichthys</i>			4620
	<i>Clarias</i>		5385	5415
	<i>Conorhynchus</i>			5645
	<i>Galeichthys</i>			5147
	<i>Heteropneustes</i>			5385
	<i>Ictalurus</i>		4829	5068
	<i>Saurida</i>			5381
	<i>SILURIDAE</i>		4900	5386
	<i>Silurus</i>			5070
	<i>Wallagonia</i>			5075
1,43	<i>Anguilla anguilla</i>			5344
	<i>Anguilla bostoniensis</i>			4875
	<i>Anguilla sp.</i>			4550
	<i>Neenchelys</i>			5644
1,47	<i>BELONIDA</i>			5059
	<i>Cololabis</i>		4866	4891
	<i>EXOCHETIDAE</i>		4445	5057
1,48	<i>GADIFORMES</i>			4904
	<i>Gadus callarias</i>	4760	4802	4804
		4815	4817	4818
		5180	5329	5178
	<i>Gadus merlangus</i>	5371	5403	5620
		5621	5635	
	<i>Melanogrammus</i>	4728	5180	5371
		5394	5403	5621
	<i>Merluccius bilinearis</i>			5394
	<i>Merluccius merluccius</i>			4996
	<i>Pollachius</i>			5180
1,50	<i>GASTEROSTEIDAE</i>			5355
	<i>Gasterosteus</i>	5007	5356	5650
1,53	<i>Lampris</i>			5061
1,57	<i>CYPRINODONTIFORMES</i>			5037
	<i>Gambusia</i>			5088
	<i>Lebistes</i>			5087
	<i>Oryzias</i>			5077
	<i>POECILIIDAE</i>			5046
	<i>Xiphophorus</i>			4828
1,61	<i>Beryx</i>			5063
1,64	<i>Sphyræna</i>		4702	4876

1,65 Mugil

5081 5659

1,70	<i>Acerina</i>			5085
	<i>Ambassis</i>			5080
	<i>Argyrosomus</i>			5381
	<i>CARANGIDAE</i>		4512	5410
	<i>CHIRONOMIDAE</i>			5354
	<i>Chrysophrys</i>			4876
	<i>CICHLIDAE</i>			5156
	<i>Coris</i>			4582
	<i>Cynoscion</i>			4702
	<i>Decapterus</i>			5425
	<i>Ditrema</i>			5092
	<i>Epinephelus</i>			5399
	<i>Haplochromis</i>			5190
	<i>Hemichromis</i>			4918
	<i>HISTIOPTERIDAE</i>			5398
	<i>Lepibema</i>			5158
	<i>Lutjanus</i>			5199
	<i>Morone</i>			5551
	<i>Mullus</i>			5595
	<i>Pagrosomus</i>			4872
	<i>Perca flavescens</i>			4518
	<i>Perca fluviatilis</i>			4642
	<i>Pseudopentaceros</i>			5397
	<i>Pseudosciaena</i>			5381
	<i>Quinquarius</i>			5397
	<i>Roccus</i>	4720	5206	5603
	<i>Seriola</i>	4519	4871	4887
			4891	4889
	<i>Symphysodon</i>			4643
	<i>Tilapia</i>	4935	5415	5547
	<i>Trachurus</i>	4538	4872	4876
			5544	5371
1,71	<i>Blennius</i>			5083
	<i>CLINIDAE</i>			5042
1,72	<i>Ammodytes</i>		5371	5372
	<i>Ophidion</i>			5403
				4706
1,74	<i>Acanthurus</i>			4622
	<i>Trichiurus</i>			5380
1,75	<i>Istiophorus</i>			5647
	<i>Makaira</i>		4889	4891
	<i>Sarda</i>		4732	5364
	<i>Scomber scombrus</i>		4594	5621
	<i>Scomber sp.</i>		4872	4876
			4897	4891
1,76	<i>Anabas</i>			5387
	<i>Betta</i>			4918
	<i>Osphronemus</i>			5556
	<i>Tetragonurus</i>			4538
	<i>Trichopodus</i>			5074

1,77	<i>Clevelandia</i>			5132
	<i>Oxyurichthys</i>			5040
1,78	<i>Apistus</i>			4886
	<i>Sebastes</i>	4802		5094
1,80	<i>Auxis</i>			5364
	<i>Euthynnus</i>			5364
	<i>Germo</i>	4544	4715	5564
	<i>Katsuwonus</i>	4891	5204	5364
	<i>Neothunnus</i>			4763
	<i>Parathunnus</i>			4870
	<i>THUNNIFORMES</i>	4714	4716	4721
		4745	5161	5201
		5214	5222	5347
	<i>Thunnus orientalis</i>	4891		4892
	<i>Thunnus sp.</i>			5364
1,83	<i>Eopsetta</i>			4704
	<i>Hippoglossus hippoglossus</i>			4806
	<i>Hippoglossus stenolepis</i>			5208
	<i>Liopsetta</i>			4821
	<i>Pleuronectes platessa</i>	4849		4904
		5403	5560	5621
	<i>Pleuronichthys</i>			4538
	<i>Solea</i>			5620
1,86	<i>Mastacembelus</i>			5832
1,89	<i>Baliste</i>			4621
1,90	<i>Diodon</i>			4835
1,95	<i>Antennarius</i>			5078
1,99	<i>FISHES, MISC.</i>	4501	4502	4508
		4510	4512	4516
		4517		4517
		4543	4553	4554
		4556		4556
		4595	4611	4614
		4619		4619
		4636	4646	4647
		4648		4648
		4652	4654	4655
		4656		4656
		4662	4700	4701
		4705		4705
		4708	4709	4710
		4710		4730
		4731	4737	4738
		4746		4746
		4749	4752	4764
		4773		4773
		4782	4809	4816
		4817		4817
		4818	4823	4841
		4844		4844
		4846	4848	4896
		4890		4890
		4900	4926	4938
		4938		4938
		4985	5025	5034
		5035		5035
		5036	5041	5043
		5044		5044
		5045	5047	5048
		5051		5051
		5052	5054	5056
		5062		5062
		5064	5065	5095
		5095		5095
		5121	to	5124
		5126		5126
		5136	5148	5150
		5157		5157

1,99	<i>FISHES, MISC. (cont'd)</i>	5139
	5176	5186
	5197	5208
	5212	5217
	5221	5227
	to	5230
	5242	5243
	5245	5250
	5301	5304
	5328	5330
	5331	5336
	5347	5371
	5373	5374
	5377	5378
	5384	5403
	5404	5407
	5408	5409
	5412	5413
	5414	5429
	5430	5526
	5522	5532
	5541	5549
	5552	5554
	5562	5565
	5570	5591
	5593	5595
	5596	5599
	5601	5602
	5612	5620
	5624	5641
	5656	5657
	5671	5675
2,00	<i>CRUSTACEANS, GEN.</i>	4511
		4523
	4529	4531
	4532	4639
	4634	4688
	4690	4638
	4903	4904
	4925	4946
	4969	4978
	5144	5145
	5146	5365
	5412	5566
	5574	
2,05	<i>CHYDORIDAE</i>	5376
	<i>DAPHNIIDAE</i>	5376
	<i>MACROTHRICIDAE</i>	5376
	<i>SIDIDAE</i>	5376
2,09	<i>COPEPODA</i>	4785
		5361
2,10	<i>CALIGIDAE</i>	4616
	<i>Diaptomus</i>	4539
		5009
	<i>Lernaeocera</i>	4936
	<i>Octopicola</i>	5666
	<i>Vanbenedenia</i>	4961
2,12	<i>CIRRIPIEDIA</i>	4043
2,13	<i>Balanus</i>	5189
		5323
2,16	<i>RHIZOCEPHALA</i>	5133
2,21	<i>Almyracuma</i>	4792
2,23	<i>Asellus</i>	4997
	<i>Caecosphaeroma</i>	5667
	<i>ISOPODA</i>	4890
	<i>Limnoria</i>	4833
		5654
	<i>Sphaeroma</i>	4332
2,24	<i>Gammarus</i>	5510
	<i>Orchestia</i>	4583
	<i>Salentinella</i>	4572

2,27	DECAPODA			5133	3,07	(continued)			
2,28	Leander			4564		Theodoxis			5390
	Macrobrachium			4966		Trochus			4936
	NATANTIA	4709	4735	4736		Turbo			4937
		4750	4775	4847					
		5219	5231	5232					
		5241	5357	5240	3,09	Osteodes			5293
	Palaemonetes			4786		Thais			5292
	Pandalopsis			4700		Urosalpinx	5265		5279
	Pandalus			4700	3,10	Littorivaga			4964
	Penaeus			4617					
2,29	Astacus			4967	3,13	Ancylus			5506
	Callinectes			4709		Siphonaria			5363
	Cancer			4703		Taphius			5543
	Carcinus	4575	4795	5391	3,14	Achatina			5004
	Eriphia			5181					
	Geryon			5114	3,15	PELECYPODA	4659	4771	5016
	Homarus		4793	5114			5261	5268	5270
	Jasus			5378			5505	5514	5463
	Ocypode			4787					
	Panulirus	5220	5253	5638	3,16	Brachidontes			5275
	Paralithodes	4637	4700	5136		Crassostrea	5269	5275	5285
	REPTANTIA			5128			5288		to
	Uca			4790		Mutela			5193
2,99	CRUSTACEANS, MISC.	4501	4502			Mytilus		4797	5272
		4556	4636	4646		Ostrea	4660	4711	4712
		4648	4656	4662			4729	5127	5258
		4730	4731	4749			5260	5271	5273
		4764	4816	4817			5277	5280	5289
		4823	4837	4844			5291	5293	5395
		4896	4899	4900		Pecten	4727	4805	4814
		4938	4979	5047					4962
		5064	5121	5122	3,17	Ensis			5275
		5203	5212	5221		Gemma			5613
		5229	5230	5242		Mya	5272	5275	5283
		5245	5250	5304		Venus	4635	5262	5275
		5371	5374	5377			5286		5284
		5403	5404	5407		Villorita			5652
		5409	5414	5430	3,19	CEPHALOPODA			5095
		5565	5576	5599					
		5653	5656	5675	3,21	DIBRANCHIA			5137
3,00	MOLLUSCS, GEN.	4523	4529	4531		Doryteuthis			4872
		4532	4533	4639		Lolliguncula			5125
		4688	4690	4838		Octopus	4864	5181	5666
		4904	4925	4945		Sepia			5181
		4978	5144	5145	3,99	MOLLUSCS, MISC.	4501	4502	4511
		5365	5412	5568			4556	4636	4646
				5574			4648	4656	4662
3,05	GASTROPODA		4569	5010			4730	4731	4752
							4764	4816	4817
3,07	HALIOTIDAE			5194			4823	4837	4844
	Haliotis			5282			4896	4899	4900
	Potamopyrgus			5501			4938	4943	4979
									5047



3,99	MOLLUSCS, MISC. (cont'd)	5048	5048	5048	5048	6,03	(continued)		
	5064	5121	5122	5136					
	5203	5212	5221	5227			RHIZOPODA		5173
	5229	5230	5242	5242					
	5245	5257	5304	5300		6,06	Myxobolus		4062
	5374	5377	5378	5403			Nematopsis		5291
	5404	5407	5408	5409					
	5414	5430	5498	5510		6,07	CHIDOSPORIDIA		4610
	5565	5576	5599	5615					
	5656	5675				6,11	Disematostoma	4567	4568
							Stentor		4738
4,05	Enhydra			5205					
	Mustela			5591		6,13			5486
4,06	Callorhinus			4725		6,15	Chondrosia		4565
	Eumetopias			4737			SPONGIIDAE	4863	5226
	Lobodon		5300	5300			Tethya		4570
	Otaria			4737					
	Phoca			4540		6,17	Bassia		5333
	PINNIPEDIA		4300	4500			Chelophyes		5333
							Diphyes		5333
4,21	CETACEA	4657	4724	4725	5210		Galetta		5333
		5211	5233	5135	4251		Hydra	4799	4800
		5300	5550				HYDROZOA		4943
4,22	Phocaena			5174			Lensia		5333
	Physeter			5158			Muggiaea		5333
	Prodelphinus		4629	4630			Physalia		4831
4,23	Balaenoptera musculus			4552		6,18	Chiropsalmus		5362
4,97	MAMMALS, AQUATIC	4556	4904	5047		6,19	ANTHOZOA		5192
							SCALALIIDAE		4789
4,99	MAMMALS, MISC.			5642		6,21	Mnemiopsis		4784
5,00	AMPHIBIANS, GEN.			4514		6,24	Dendrocoelum		5513
5,07	SALIENTIA			5005			PLANARIIDAE		4791
							TURBELLARIA		5508
5,29	AMPHIBIANS, MISC.	4556	5048			6,25	TREMATODE		5511
5,49	REPTILES, MISC.	4556	4904	5043		6,26	Allocreadium		5382
	5048						Calicotyle	5165	5166
5,68	ALCIDAE			4822			Dictyocotyle	5165	5166
							Entobdella		4806
5,87	BIRDS, AQUATIC	4556	5018			6,27	Bucephalus		5263
5,91	ENTEROPNEUSTA			4855			Cercaria	4797	4930
5,96	ASCIDIACEA			4943			DIGENA		5360
							Parorchis		5392
5,99	CHORDATES, MISC.			5642			Proctoeces		4787
							Pseudostylochus		5264
6,01	Naegleria		5471	5472		6,30	Hepatoxylon		5298
6,03	GLOBIGERINIDAE			5572		6,31	Micrura		5006
	GLOBOROTALIIDAE			5572			NEMERTEA		5506

6,33	NEMATODA			5511	6,84	(continued)			
	Panagrolaimus			5474					
6,35	Polymorphus	5490		5510		Dytiscus			5509
						Enochrus			5494
6,37	Epiphanes			5462		HYDROPHILIDAE	5511		5579
	ROTATORIA			5515	6,86	Caraphractus			5480
6,39	Echinoderella			5651		Chrysocharis			5480
6,45	CHAETOGNATHA			4537	6,87	Aedes			5504
	Sagitta			5339		Anopheles	5459		5476
6,48	POLYCHAETA	3734	3792	4615		CHIRONOMIDAE	5179		5580
				4960		CULICIDAE	5499		5519
6,50	SERPULIDAE			4943		Diamesa			5367
	Spirorbis			5617		Mansonia			5473
6,51	LUMBRICIDAE			4995		Simulium			5517
						Taeniorhynchus			4998
6,53	Erpobdella			5512		Tipula	5467	5468	5470
	Hirudo	5464		5465	6,93	TIPULIDAE			5469
6,56	Limulus			4793		Arbacia			4788
6,61	ARANEAE			5581	6,97	INVERTEBRATES, AQUATIC	4511		4523
6,62	ACARINA			5368			4529	4531	4532
6,66	INSECTA	4549	5017	5516			4541	4556	4573
							4684	4688	4690
6,71	PLECOPTERA			5479			4904	4925	4945
							4978	4979	5048
6,76	Ephemera	5488		5496			5145	5146	5167
	Heptagenia			5487			5563	5574	5576
	Rhithrogena			5487	6,99	INVERTEBRATES, MISC.			5609
6,77	Gomphomacromia			5475					
	ODONATA	5484		5497	7,00	ALGAE, GEN.	4511	4523	4529
	Petalura			5492			4531	4532	4533
6,79	Alarcta			5014			4541	4556	4591
	HEMIPTERA	5500		5503			4668	to	4672
	Micronecta			5495			4675	4676	4678
	Tettigades			5012			to	4688	4690
6,82	Anisocentropus			5482			4696	4773	4838
	Cecetis			5477			4925	4969	5341
	Oxyethira			5481			5453	5568	5637
	Stenopsyche			5483	7,03	Carteria			5284
	TRICHOPTERA	5478	5485	5507		Chlamydomonas		4777	4912
6,88	Menyanthes			5447		Platymonas			5452
6,84	Agabus			5518	7,06	Chlorella	4536	4640	4641
	COLEOPTERA			5493			5456		5182
						Neochloris			5559
					7,08	Ulothrix			5559
					7,12	Haxenia			5559
					7,15	Spirogyra			5175

7,16	DESMIDIACEAE	4772	5371	3,77	EMERYOPHYTA, GEN.	4976
	Staurostrum		5149			
7,17	Acetabularia		4879	3,78	Elodea	4914 5583
	Siphonocladus		4886	3,79	Eichhornia	5383
	Vaucheria		4970	3,80	Lemna	4975
7,18	CHARACEAE		4916	3,81	Daphne	5286
7,31	CHRYSOPHYCEAE	4377	5151	3,82	Bignoniaceae	4633
7,32	Coccolithus	4385	4838		GLOBULARIACEAE	4633
	Mallomonas		5450		LENTICULARIACEAE	4633
	Ochromonas		5134		MARTYNIACEAE	4633
7,41	BACILLARIOPHYCEAE	4671	4811		OROBANCHACEAE	4633
		4971 5130	5204 5382		PEDALIACEAE	4633
					PHYRMACEAE	4633
					PLANTAGINACEAE	4633
7,63	Exuviella		4885	9,87	Strychnos	5000 5001
7,66	Gymnodinium		5394	9,89	ADOXACEAE	4633
	Noctiluca		5502		CAPRIFOLIACEAE	4633
7,67	PERIDINIOIDEAE		4806		RUBIACEAE	4633
7,70	Euglena		5157		VALERIANACEAE	4633
	EUGLENINEAE		4794	9,87	AQUATIC EMERYOPHYTES	4556 4836
7,72	Cylindrocarpus		4874		5192	
					HIGHER PLANTS, AQUATIC	4556 4836
7,80	Hormosira		4913			
7,81	RHODOPHYCEAE		4558			
7,82	Porphyra		4865			
7,87	Cordylecladia		4862			
	Gracilaria		4840			
	Gracilariopsis		4840			
7,99	ALGAE, MISC.	4571	4873			
		4751	4838			
		5183	5192			
8,01	BACTERIA	5184	5448			
		5674	56			
	Streptococcus		4806			
8,33	Chytridiomycetes		4873			
	Ichthyosporidium		4811			
8,74	Odontia		5195			
8,84	MONILIALES		4974			
8,99	FUNGI, MISC.		4707			





100	AFRICA		5413	5574	157	Federation of Rhodesia and Nyasaland (cont'd)	5547	5548	
113	Morocco	4572	5234	5337	5558				
114	Canary Is.			4742		200	NORTH AMERICA		
122	UAR, Southern Region (Egypt)				5223	210	Canada	4501	4549 4645 4658
123	Sudan				5601			4659	4662 4727 4729
124	Eritrea	5054		5399				5395	5430
125	Ethiopia			5502		212	British Columbia	4502	4551 5084
126	Fr. Somaliland			4938				5587	
128	Somalia	5054	5399	5476		214	Ontario		5015 5017
131	Kenya	5064	5399	5407 to		215	Quebec		5155 5610
		5410	5476	5524		216	Newfoundland		4846 5611
132	Uganda			5301	5476	217	New Brunswick		4550 4660
134	Zanzibar and Pemba			5050	5399	220	USA (Alaska)	4637	4645 4700
		5407	5409	5410	5476	230	USA	4504	4524 4555 4637
136	Mauritius				5569			5162	5169 5196 5200
140	Africa, W. Central			4623	4625			5207	5257 5271 5540
				4626				5570	5612
141	Sudanese Republic			4615	4618	231	Washington State	4553	4916 5264
				4630	4938	231	Oregon	4595	4928 5203 5264
141	State of Senegal	4615	4618	4630		231	Idaho		5669
				4938		232	California	4701 to	4704 4717
141	Islamic Republic of Mauritania							5194	5195 5264 5282
		4615	4618	4630	4938			5406	5571 5603 5604
141	Republic of the Ivory Coast					232	Nevada		5571
		4615	4618	4630	4938	232	Utah		5671 5672
141	Republic of Dahomey	4615	4618			232	Arizona		5571
				4630	4938	233	Wyoming		5670
141	Republic of Upper Volta		4615			234	Minnesota		4548
				4618	4630 4938	234	Iowa		5069
141	Republic of Niger	4615	4618			234	Wisconsin		4518 4632
				4630	4938	234	Illinois		4773
141	Fr. Cameroons		4628	4938		234	Kentucky		4511
141	Republic of Guinea	4615	4618			235	Oklahoma	4610	5157 5158 5159
				4630	4938 5037	235	Mississippi		5607
142	Cape Verde Is.			4721		236	USA, New England	4815	4863 5394
142	Port. Guinea			4721		236	Maine	4712	5272 5613
143	Liberia		4721	5230		236	Massachusetts		4713 4792
144	Gambia		4620	4721		236	Connecticut		4719 5279
144	Sierra Leone		4629	4721		237	USA Middle Atlantic States		
144	Ghana	4721	4734	5519					4566
144	Br. Togoland			4721		237	New Jersey		4815 5280
144	Fr. Togoland		4721	4938		237	Maryland	4066	4304 4908 4926
145	Nigeria		4619	4721				5125	5127 5283
145	Br. Cameroons		4628	4721		237	Virginia		4720 5273
146	Gabonese Republic			4938		237	Pennsylvania		4720 5003
146	Republic of Tchad			4938		238	N. Carolina		5259
146	Republic of Congo			4938		238	S. Carolina		5274
146	Central African Republic			4938		238	Florida	4512	4539 4612 4705
147	Belg. Congo		4935	5049				4706	4707 5198 5276
151	Angola			5485				5293	5359 5360 5363
154	Union of S. Africa	4766	5253			240	Bermudas		4543 4956 5116
		5399	5476	5544	5545	250	Greenland	4635	4804 4812 4816
			5546	5596				4817	
155	Mozambique			5050					
157	Federation of Rhodesia and Nyasaland	4848	4930	5485	5499				

300	LATIN AMERICA				511	<u>Denmark</u>	4685	5221	5402	5403
							5624			
311	Mexico	4747	to	4752	5231	513	Iceland	4737	4738	4765
		5232	5233					5122	5227	5228
312	Guatemala			4735		514	Norway	4725	4753	4754
314	Costa Rica		4731	5168	5220			5063	5236	5237
315	Panama	4755	4756	4772	5240			5304	5404	5550
		5241	5537			516	Sweden		4691	5249
321	Br. Caribbean Federation			5121		517	Finland		4783	4922
		5575				520	<u>Western area</u>			4556
322	Cuba		4732	4832	5046	521	Netherlands	4724	5059	5235
331	Colombia			4722	5219	522	Belgium			5542
332	Venezuela		4771	4932	5543	524	France	4577	4578	4584
333	Br. Guiana				5065			4820	5009	5134
334	Surinam			4775	5065	531	Ireland	4741	5060	5500
335	Fr. Guiana			4838	5065	532	UK		5055	5123
341	Ecuador				4722	533	England	4682	4767	to
342	Peru		4722	4757	5242			4847	4983	5163
343	Chile	4722	4730	5062	5218			5172	5256	5470
351	Brazil	4726	5042	5056	5543			5479	5487	5493
		5549						5501	5516	
353	Argentina		4969	4990	5212	533	Wales			5172
						534	Scotland	4962	5431	5498
400	ASIA					541	Portugal	4573	4818	4997
								5245		
413	Israel			4585	4960	542	Spain	4573	4759	to
414	Jordan				4585			4837	5038	5247
417	Iran			4740	5034			5332	5335	5336
421	Pakistan				5357			5339	5340	5341
423	India	4611	4739	4929	4934	542	Balearic Is.			4559
		4937	5048	5129	5130	543	Italy	5109	5551	5552
		5386	5593	5602	5640			5556		
		5644	5645	5646	5653	543	Sicily			5556
		5654	5656	5657	5659	551	Yugoslavia	4594	5020	to
		5660						5033	5375	5376
424	Ceylon				5217	553	Greece		5225	5226
424	Maldiva Is.				5641	555	Romania			5094
425	E. Pakistan			4836	5239	556	Turkey			5373
428	Fr. India				4938	556	Anatolia			5594
433	Singapore				4823	561	Germany			4593
434	Java				5426	561	Federal Republic of Germany			
436	N. Borneo				4992			4646	to	4655
437	Philippines			4758	5636			4844	5044	5045
441	Chinese People's Republic				5330			5368	5370	5562
		5606						5577	to	5581
442	Hong Kong				4736			5624		
444	Korea			4746	5229	562	Switzerland			5614
451	Japan	4597	4743	4744	4745	563	Austria			5051
		4864	4871	4888	4940	571	German Democratic Republic			5066
		5052	5057	5209	5210	572	Poland		4994	5243
		5398	5427			573	Czechoslovakia	4515	4978	5035
451	Japan, Hokkaido				5010			5036	5070	5149
451	Japan, Honshu				4602			5160		5151
453	Formosa	5040	5250	5251	5252	600	OCEANIA			
500	EUROPE			4656	5047	610	<u>Australia</u>	4725	4830	5214
										5294



612	Western Australia	5370	5423	ASE.08	Adriatic Sea	5021	to	5024
614	Victoria		4850			5027	5029	5030
615	New S. Wales	5061	5010	ASE.10	Black Sea		4853	5320
616	Queensland		5599	ASE.12	G. of Guinea			4616
630	<u>New Zealand</u>	4241	4.43					
		5170	5204	I	INDOPACIFIC OCEAN	4537	4716	
634	Campbell I.		5.41			4866	5136	5204 5358
637	Auckland I.		5.41					
641	Fr. Oceania	4715	4030	IN	Pacific, N.	4519	4599	4603
673	Caroline Is.		4052			4605	4688	4690 4723
						5208	5563	
700	USSR	4633	4678	IN.01	Japan Sea	4508	4519	5322
		4826	5209	IN.02	Sea of Okhotsk		4508	4519
			5051	IN.03	Bering Sea			4508
710	<u>Russian FSR</u>	4505	4060	ISW	Indian Ocean			5222
		5136	5058	ISW.05	Arabian Sea		5176	5637
				ISW.06	B. of Bengal		5651	5664
800	SPECIAL INTERCONTINENTAL			ISEW	Indopacific, Central	4870	4950	
	REGIONAL GROUPINGS					5115		
817	Tropics		5192	ISEW.04	E. China Sea	4519	4887	5379
820	<u>Antarctic Continent</u>	5305	5325			5380	5381	
863	Fr. Community		4938	ISEW.05	Yellow Sea	5379	5380	5381
A	ATLANTIC OCEAN	4946	4947	P	POLAR SEAS			
AN	<u>Atlantic, N.</u>	4561	4720	PN	<u>Arctic Ocean</u>		4778	4911
		4904	4911	PN.01	N. Polar Basin			5319
ANW	Atlantic, N.W.	4658	4710	L	INLAND SEAS AND			
		4807	4948		INTERTERRITORIAL LAKE			
		5635	5122		SYSTEMS			
ANW.04	G. of St. Lawrence	4809	4806	L.11	<u>East African Lakes</u>	5156	5190	
						5413		
ANW.05	G. of Maine		4810	L.21	<u>American Great Lakes</u>	4520	4542	
ANW.06	Chesapeake B.	4711	4804			4606	5216	
ANE	Atlantic, N.E.	4680	4630	L.72	<u>Caspian Sea</u>	4506	4858	5034
		4841	5113	L.75	<u>L. Baikal</u>			4506
			5114					
ANE.01	White Sea		5323					
ANE.02	Barents Sea	4682	5323					
ANE.04	North Sea	4683	4824					
		4961	5346					
		5618	5371					
ANE.05	Baltic Sea	4639	4811					
ANE.08	English Channel		4673					
ANE.10	Norwegian Sea		4684					
AS	<u>Atlantic, S.</u>		4958					
ASW	Atlantic, S.W.		5117					
ASE.01	G. of Mexico	4512	4700					
		4957	5161					
		5199	5361					
ASE.02	Caribbean Sea		5131					
ASE.02	Mediterranean Sea		5545					
		5595	5372					
ASE.03	Mediterranean Sea, Western	4588						
		5144	5145					
ASE.05	Mediterranean Sea, Eastern		5146					
			5333					
			4560					



Chaine, J. (1958) 59-6613  
Bull. Cent. Etud. Rech. sci. Biarritz, 2  
141-242

Recherches sur les otolithes des poissons. Etude descriptive et comparative de la sagitta des Téléostéens (Study of otoliths of fish. Descriptive and comparative study of the sagitta of Teleosteans)

Gives size of otolith & fish, descriptions & variations of otoliths of spp. of the families Centrolophidae, Nomeidae, Bramidae, Stromateidae, Coryphaenidae, Chaetodontidae, Caproidae, Zeidae, Cyclopteridae, Gobiesocidae,

Kisch, B.S. (1958) 59-6616  
Bull. Cent. Etud. Rech. sci. Biarritz, 2  
251-2

Balanus tulipiformis Ellis au Musée de la Mer, Biarritz (Balanus tulipiformis Ellis at the Museum of the Sea, Biarritz)

Records of the sp. for the southwestern coast of France.

FAO:hr

M

59-6613  
(Card 2)

Centriscidae, Atherinidae, Gasterosteidae, Ammodytidae, & Ophidiidae.

FAO:hr

Joly, R. (1958) 59-6617  
Bull. Cent. Etud. Rech. sci. Biarritz, 2:  
Contribution à la connaissance de la faune planctonique des étangs de la région landaise (2me note) - (12)  
(Contribution to the knowledge of planktonic fauna of ponds of the Landaise region - 2nd note - 12)

Records of spp. of Cladocera, decapods, hydrozoa & others.

FAO:hr

F

Vibert, R. (1958) 59-6615  
Bull. Cent. Etud. Rech. sci. Biarritz, 2  
243-7

Sensibilité à la fatigue des poissons. Conséquences en matière de repeuplement (Sensitiveness to fatigue by fish. Consequences in stocking)

Considerations & experiments with salmonids on causes of mortality by fatigue during transportation & stocking.

FAO:hr

F

Hyman, L.H. (1959) 59-6618  
New York, McGraw-Hill Book Co., Inc.,  
783 p.

The invertebrate & smaller Coelomate groups - Chaetognatha, Hemichordata, Pogonophora, Phoronida, Ectoprocta, Brachipoda, Sipunculida. The coelomate Bilateria

A chapter is devoted to each phylum, giving historical review of research on it, account of its characters, anatomy & embryology, & ecology & physiology - for some phyla -, relationships, & bibliography. Final



59-6618  
(Card 2)  
chapter reviews recent literature  
relating to phyla treated in previous  
volumes.

GLK:glk

Mabata, Z. (1959) 59-6622  
J.Mar.biol.Ass.U.K., 38:249-61  
Ecology of the genus *Acanthochondria*  
Oakley (Copepoda parasitica)

*A. fluræ*, *A. clavata*, *A. limandæ* &  
*A. cornuta* are discussed in relation  
to their hosts, the flatfishes. The  
4 spp. differ in distribution &  
in distribution on their respective  
hosts, all with the exception of *A.*  
*fluræ* choosing well protected  
environments, which vary with the host.

GLK:zk

M

Morton, J.E. (1959) 59-6620  
J.Mar.biol.Ass.U.K., 38:225-38  
The habits and feeding organs of  
*Dentalium entalis*

A specialized burrower in medium to  
coarse sands & its chief or only diet  
is of Foraminifera. Burrowing is  
performed by a muscular, very extensible  
tongue-like foot. The foraminifera<sub>n</sub>s are  
captured by very numerous extensible  
head tentacles or captacula. Digestion  
appears to be wholly extracellular, &  
the digestive tubules are compared in  
structure with those of other mollusca.

GLK:jem

M

Krishnaswamy, S. (1959) 59-6623  
J.Mar.biol.Ass.U.K., 38:263-6  
Respiration in *Chondracanthus zeii*  
De la Roche (Copepoda)

The rate of oxygen consumption in  
*C. zeii* varied from 0.19 to 1.8 l./mg  
dry wt/h depending on the body weight.  
There is a fall in respiratory rate  
with time. The metabolic rate as  
reflected by O<sub>2</sub> requirements shows  
that the animal may consume about  
3.85% of its own body weight of food  
per day.

GLK:sk

M

Thompson, T.E. (1959) 59-6621  
J.Mar.biol.Ass.U.K., 38:239-48  
Feeding in nudibranch larvae

The mechanism of food capture & the  
movement of food particles within the  
gut are described from observations  
on *Archidoris pseudoargus*. Less detailed  
observations on the larvae of 12 other  
nudibranch spp. showed similar  
mechanisms to exist in all. Ingestion &  
assimilation of food particles occur  
solely in the left midgut diverticulum  
or digestive gland.

GLK:tet

M

Boney, A.D. & 59-6624  
E.D.S. Corner (1959)  
J.Mar.biol.Ass.U.K., 38:267-75  
Application of toxic agents in the  
study of the ecological resistance  
of intertidal red algae

Algae from various ecological groups  
show marked differences in their  
resistance to changes in the  
temperature of the surrounding sea  
water. The results obtained from  
experiments are consistent with the  
view that the proportion of lipid  
material present in the cell membrane  
is important in determining the

59-6624  
(Card 2)

susceptibility of an intertidal red alga to increased sea-water temperature.

GLK:hr

M

59-6627  
(Card 2)

concentrations increase most rapidly. It is possible that astaxanthin is a vitamin A precursor in euphausiids.

GLK:lrf

M

Yonge, C.M. (1959) 59-6626  
J.Mar.biol.Ass.U.K., 38:277-90  
On the structure, biology and systematic position of Pharus legumen (L)

Following description of the sp. with an account of the pallial structures, organs in the mantle cavity, nature of the ciliary currents on the mantle & the ctenidia, & the course of the alimentary canal, reason is given for its transference to the Tellinacea.

GLK:cmv

M

Stride, A.H. (1959) 59-6629  
J.Mar.biol.Ass.U.K., 38:313-8  
A linear pattern on the sea floor and its interpretation

An acoustic survey has been made of 2 regions where there is marked geographical variation in the nature of the surface sediments. It is shown that the patches are elongated parallel to the prevailing path of the tidal streams & a mechanism of origin is suggested.

GLK:ahs

M

Fisher, L.R. & E.H. Goldie (1959) 59-6627  
J.Mar.biol.Ass.U.K., 38:291-312  
The food of Meganyctiphanes norvegica (M.Sars), with an assessment of the contributions of its components to the vitamin A reserves of the animal

Performed vitamin A is present in compound eyes & its precursor,  $\beta$  - carotene, in dinoflagellates, diatoms, algae & fern sporangia, all of which are eaten by M. norvegica. In the spring, however, when the food consists almost entirely of copepods with astaxanthin as their main carotenoid, vitamin A

Manton, I. (1959) 59-6630  
J.Mar.biol.Ass.U.K., 38:319-33  
Electron microscopical observations on a very small flagellate: the problem of Chromulina pusilla Butcher

C. pusilla has been examined morphologically & anatomically. In spite of their small size all parts are structurally normal. The anatomical & biochemical evidence indicates that this flagellate has been placed in the wrong group. An emended diagnosis is inserted as a guide to the ultimate reclassing & renaming of the organism.

GLK:im

M

Atkins, D. (1959) 59-6631  
J.Mar.biol.Ass.U.K., 38:335-50  
The early growth stages and adult structure of the lophophore of Macandrevia cranium (Müller) (Brachiopoda, Dallinidae)

The early growth stages of lophophore & loop at a shell length of 1.0-5.3 mm are described. The growth of the brachial support is marked by exceptionally early development of the descending branches of the loop & a late development & early disappearance of the septum. The structure of the adult plectolophous lophophore is described.  
GLK:da M

Carlisle, D.B. (1959) 59-6632  
J.Mar.biol.Ass.U.K., 38:351-9  
Moulting hormones in Palaemon (=Leander) (Crustacea decapoda)

The mean intermoult period at any one temperature is shorter for Roscoff populations of Palaemon (=Leander) serratus than Plymouth ones. Eyestalk ablation leads to significant shortening of the intermoult period in prawns from Roscoff but to significant lengthening of this period in prawns from Plymouth. An endocrinological explanation of these experiments is proposed.  
GLK:hr M

Ralph, F.L. (1959) 59-6634  
J.Mar.biol.Ass.U.K., 38:369-79  
Notes on the species of the pteromedusan genus Tetraplatia Busch, 1851

Collections of Tetraplatia made by R.V. Sarsia from 1955 to 1957 are described & discussed in relation to specimens taken by other research vessels - DISCOVERY II, CARNEGIE VII, RESEARCH & EXPLORER. The results confirm that T. volitans & T. chuni are separate spp. which can be easily separated both in the juvenile & adult stages. T. volitans is regarded

59-6634  
(Card 2)  
as more highly specialized than T. chuni.  
GLK:pmr M

Forster, G.R. (1959) 59-6633  
J.Mar.biol.Ass.U.K., 38:361-7  
The ecology of Echinus esculentus L. Quantitative distribution and rate of feeding

The numbers of Echinus esculentus have been counted in a total area of over 5,000 m<sup>2</sup> & the overage density is 868 per acre. A few tests on the rate at which Echinus browse on algae & sessile animals have also been made. Where urchins are abundant they are capable of sweeping clear at least one third of the whole rock surface in the course of a year.  
GLK:hr M

Carlisle, D.B. (1959) 59-6636  
J.Mar.biol.Ass.U.K., 38:381-94  
On the sexual biology of Pandalus borealis (Crustacea decapoda)

The X organ-sinus gland complex of P. borealis ill. a condition which is relatively primitive in decapods; the complex is described & the histology & topography of the various parts figured. The vas deferens gland (glande androgène) is described & its special features noted. The correlation between its condition & the sexual state of this protandric hermaphrodite is stressed.  
GLK:dbc M



Howie, D.I.D. (1959) 59-6637  
J.Mar.biol.Ass.U.K., 38:395-406  
The spawning of Arenicola marina (L.)

The relationships between environmental conditions & the onset of the breeding season are analysed in greater detail in England, Scotland & Ireland, & the possibility of a spring breeding season re-examined.

GLK:hr

M

59-6639  
(Card 2)  
is suggested that the greater length of the migration in the larger immature cod is related to the continued high level of thyroid activity.

GLK:adw

M

Woodhead, A.D. (1959) 59-6638  
J.Mar.biol.Ass.U.K., 38:407-15  
Variations in the activity of the thyroid gland of the cod, Gadus callarias L., in relation to its migrations in the Barents Sea - I. Seasonal changes

A seasonal cycle of activity has been demonstrated in the thyroid gland of both adult & immature cod. It has been suggested that thyroid activity may initiate & sustain the active migration of the cod.

GLK:adw

M

Barnes, H. (1959) 59-6641  
J.Mar.biol.Ass.U.K., 38:423-4  
Sea surface temperatures at Millport

Daily records show the form of the annual temperature regime to be typical of boreal waters; there are, however, considerable variations from year to year, not only in the mean values but also in the temperature pattern & these variations are of ecological significance.

GLK:hr

M

Woodhead, A.D. (1959) 59-6639  
J.Mar.biol.Ass.U.K., 38:417-22  
Variations in the activity of the thyroid gland of the cod, Gadus callarias L., in relation to its migrations in the Barents Sea - II. The "dummy of run" of the immature fish

The average length of the immature cod caught between Bear island & the Norwegian coast in March 1956 increased from north to south & it appeared that the length of the southerly overwintering migration increased as the fish became older. It

Spain. National FAO 59-6642  
Committee (1957)  
Madrid, 146 p.  
Informe sobre la agricultura y la alimentación 1955-1956 (Report on food and agriculture 1955-1956)

Reports on number of licenses issued, sport fishing, pollution & stocking of rivers with salmon, trout, carp, rainbow trout, pike & black bass; total & specific production of marine fishes & whales production of processed products, number of fishermen & craft, legislation, assistance to fishermen & research.  
FiB:hr MF

Burkill, D.M. (1958) 59-6643  
Thesis, Univ. of Cambridge, U.K.  
Behaviour, ecology, and taxonomy of  
Crenobia alpina

F

Vickers, T. (1958) 59-6646  
Thesis, Univ. of Cambridge, U.K.  
A study of the cytology of secretion  
with special reference to the chloride  
secretory cells of fishes' gills and  
the golgi apparatus of epithelial  
cells

MF

Johnson, P.O. (1958) 59-6644  
Thesis, Univ. of Cambridge, U.K.  
The behaviour of fish in electric  
fields

MF

Adams, R.D. (1958) 59-6647  
Thesis, Univ. of Cambridge, U.K.  
The theory, design and application of  
a new type of long-period horizontal  
seismograph

MG

Lockwood, A.P.M. (1958) 59-6645  
Thesis, Univ. of Cambridge, U.K.  
The osmotic and ionic regulation of  
the isopods Mesidotea entomon (L.)  
and Asellus aquaticus (L.)

M

Smith, A.R. (1958) 59-6648  
Thesis, Univ. of Cambridge, U.K.  
An experimental study of the effect  
of rotation on the flow of a  
baroclinic liquid

MG

Vasco Costa, F. & 59-6649  
J. Finza Perestrelo (1959)  
Dock Harb. Author., (460):  
Modification of the sea bed with a view  
to concentration and dispersal of sea  
waves

M

Yale, D.E. (1957?) 59-6652  
Dubuque, Iowa, Wm.C. Brown Co., 197 p.  
How to know the seaweeds

WR (92):7. Manual for amateur or  
beginning student of marine algae. It  
covers Atlantic, Gulf, & Pacific  
coasts of U.S. Omitted are very small,  
rare, or local algae.

:wr

M

Anonymous (1959) 59-6650  
Hansa, 96:1075-6  
Veränderungen der Meereswellen durch  
Massnahmen am Meeresboden (Changes  
of the sea waves by measures on the sea  
floor)

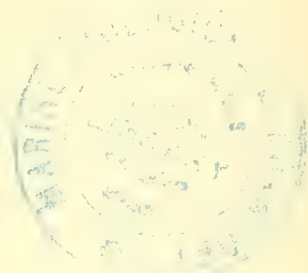
A critical review of 59-6649.

FAO:

M

Allen, D.L. (1958) 59-6653  
Fisherman, 9(6):17, 84-7  
Pesticides - A major problem for  
anglers and hunters

WR (92):16.



MF

Van Oosten, J. (1957) 59-6651  
Ann Arbor, Mich., 86 p.  
Great Lakes fauna, flora and their  
environment - A bibliography

WR (92):5.

F

Cope, O.B. & 59-6654  
P.F. Springer (1958)  
Bull. ent. Soc. Amer., 4(2):52-6  
Mass control of insects: the effects  
on fish and wildlife

WR (92):16.

F



George, J.L. (1957) 59-6655  
New York, Conserv. Found. (ed.)  
The pesticide problem - A brief review  
of present knowledge and suggestions  
for action

WR (92):17. Effects of DDT, other  
insecticides, herbicides, & fungicides  
on wildlife are reviewed. Their broader  
effects on public health, soils, &  
food chains are considered.

:WR

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Armstrong, W.W. (1958) 59-6658  
Wildl. Bull. Ariz. Fish & Game Dep., (4)  
36 p.  
The economic value of hunting and  
fishing in Arizona in 1956

WR (92):23.

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Webbe, G. (1957) 59-6656  
Ann. trop. Med. Parasit., 51(3):264-70  
The action on fish of several  
chlorinated hydrocarbons when used as  
larvicides

WR (92):18.

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Buckley, J.L. (1957) 59-6659  
Biol. Pap. U. Alaska, (1):33 p.  
Wildlife in the economy of Alaska

WR (92):23. A detailed economic  
appraisal for 1957. Commercial,  
recreational, scientific, & esthetic  
values are considered & methods are  
explained.

:WR

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Anonymous (1957) 59-6657  
World Hlth Org. Bull., 16(6):1219-41  
Select bibliography on the toxicity  
of pesticides to man and animals 1953-  
1955

WR (92):18.

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Hay, K. (1958) 59-6660  
Colo. Outd., 7(4):1-4  
Wildlife bonanza

WR (92):24. Economic value of  
wildlife in Colorado in 1957.

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New Jersey. Division of Fish and Game (1958) 59-6661  
68 p.  
Annual report of Division of Fish and Game for the fiscal year commencing July 1, 1956 and ending June 30, 1957

WR (92):26.

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Eipper, A.W. & H.B. Brumsted (1958) 59-6664  
Cornell Ext.Bull., (1014):32 p.  
How to control weeds and algae in farm ponds

WR (92):28. Discusses proper pond construction, fertilization, & mechanical control. More attention is given to control with chemicals. Formulas & formulation tables are provided.

:WR

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Nova Scotia. Department of Lands and Forests (1958) 59-6662  
Halifax, Queen's Printer, 103 p.  
Report of the Department of Lands and Forests, fiscal year ending March 31, 1957

WR (92):26. Incl. a report on investigation of charges that double-crested cormorants were doing damage by eating young salmon & raiding fish traps.

:WR

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Graham, C.J. (1957) 59-6665  
Proc.Calif.Weed Conf., 9:67-72  
New developments in submersed aquatic weed control

WR (92):28.

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Cook, A.H. & C.F. Powers (1958) 59-6663  
N.Y.Fish Game J., 5(1):9-65  
Early biochemical changes in the soils and waters of artificially created marshes in New York.

WR (92):27.

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Hopkins, W.L. (1957) 59-6666  
Proc.Calif.Weed Conf., 9:29-33  
Cattail and tule control

WR (92):28.

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Fridriksson, A. (1959) 59-6667  
J.Cons.int.Explor.Mer., 24:211-4  
Age Vedel Tåning 1890-1958

An obituary & short bibliography.

GLK:sjh

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Yentsch, C.S. & J.H. Ryther (1959) 59-6670

J.Cons.int.Explor.Mer., 24:231-8  
Relative significance of the net  
phytoplankton and nanoplankton in the  
waters of Vineyard Sound

Chlorophyll content, photosynthesis,  
& cell numbers have been compared in  
the net- & nanoplankton. The net  
portion comprised a small percentage  
of the total population & exhibited  
marked seasonal trends while the  
nanoplankton did not.

GLK:csy

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Smayda, T.J. (1959) 59-6668  
J.Cons.int.Explor.Mer., 24:215-20  
The seasonal incoming radiation in  
Norwegian and Arctic waters, and  
indirect methods of measurement

Comparison of estimates by three  
different formulae; relation of  
results to phytoplankton production  
cycle. (issued as: Contr.Woods Hole  
oceanogr.Instn., (964).

GLK:sjh

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Holt, S.J. & al. (1959) 59-6671  
J.Cons.int.Explor.Mer., 24:239-42  
A standard terminology and notation  
for fishery dynamics

Report, with recommendations of a  
committee established by the Joint  
Scientific Meeting of ICES/ICNAF/FAO,  
Lisbon 1957. Table of symbols & of  
definitions & terms in English,  
Japanese & German.

GLK:sjh

MG

Kriss, A.E. (1959) 59-6669  
J.Cons.int.Explor.Mer., 24:221-30  
The role of microorganisms in the  
primary production of the Black Sea

Field studies of autotrophic bacteria  
in Caspian, NW Pacific, Arctic ocean  
& Black Sea, which, at least in the  
latter area contribute more to total  
primary production than do plants.  
Depth distribution; substrate;  
filamentous sulphur bacteria.

GLK:sjh

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Rass, T.S. (1959) 59-6672  
J.Cons.int.Explor.Mer., 24:243-54  
Biogeographical fishery complexes of  
the Atlantic and Pacific oceans and  
their comparison

Comparative study of quantities &  
taxonomic composition of catches, &  
explanation of differences in terms  
of climatic history. Suggestions for  
enriching the poorer Atlantic fauna.

GLK:sjh

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Strasburg, D.W. (1959) 59-6673  
J.Cons.int.Explor.Mer, 24:255-63  
An instance of natural mass mortality  
of larval frigate mackerel in the  
Hawaiian islands

Study of 3000 specimens of Auxis sp.  
from plankton samples, their  
appearance, size composition &  
examination of various hypotheses as to  
cause of death.

GLK:sjh

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Cushing, D.H. (1959) 59-6676  
J.Cons.int.Explor.Mer, 24:283-307  
On the effect of fishing on the  
herring of the southern North Sea

Analysis of mortality, growth &  
maturity of Clupea harengus;  
interpretation of yield variability;  
general assessment of this resource.

GLK:sjh

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Wood, R.J. (1959) 59-6674  
J.Cons.int.Explor.Mer, 24:264-76  
Investigations on 0-group herring

Study, from 1953-55 of young Clupea  
harengus from English east coast;  
distinction of groups by vertebral  
number, length & distribution.  
Appendix gives key for identification  
of summer spawned herring.

GLK:sjh

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Menzel, D.W. (1959) 59-6677  
J.Cons.int.Explor.Mer, 24:308-13  
Utilization of algae for growth by  
the angelfish, Holacanthus bermudensis

Experiments with this Bermuda reef  
fish. The predominantly herbivorous  
angelfish was fed on algae alone at  
2 temperatures. Some weight was gained  
at 28°C but weight loss occurred at  
19°. Gain at 28°C was attributed to  
the deposition of lipids. No protein  
was deposited. It is doubtful whether  
angelfish can grow on plant matter  
alone unless rate of intake in nature

Cushing, D.H. & 59-6675  
A.C. Burd (1959)  
J.Cons.int.Explor.Mer, 24:277-82  
The interpretation of the East Anglian  
herring data, 1924-1955

Reply to 584949. Criticisms of  
previous paper, under headings:  
environment; advance in maturity;  
mortality rates; Hodgson's hypothesis  
on the effect of the industrial  
fishery on East Anglian recruitment.

GLK:sjh

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59-6677  
(Card 2)  
far exceeds the observed maximum  
feeding rates in captivity.

GLK:sjh

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Frost, W.E. & 59-6679  
 C. Kipling (1959)  
J.Cons.int.Explor.Mer, 24:314-41  
 The determination of the age and  
 growth of pike (Esox lucius L.) from  
 scales and opercular bones. De

Comparative tests of methods &  
 establishment of their validity by  
 tagging. Detailed study of methods  
 of back calculation.

GLK:sjh

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Cole, H.A. & 59-6682  
 G.D. Waugh (1959)  
J.Cons.int.Explor.Mer, 24:355-65  
 The problem of stunted growth in  
 oysters

Study of Ostrea edulis populations  
 on British coasts; examination of  
 relation of low temperature, food  
 shortage, bombardment with current-  
 borne mineral particles, infestation  
 with Polydora, shell disease, &  
 cultivation practices to stunting.

GLK:sjh

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Thomas, H.J. (1959) 59-6680  
J.Cons.int.Explor.Mer, 24:342-8  
 Creel selectivity in the capture of  
 lobsters and crabs

Experiments with "open" & "shuttered"  
 traps with various eye openings; their  
 efficiency in capturing Cancer &  
Homarus in Scottish waters.  
 Significance with regard to fishing  
 efficiency & interpretation of catch  
 samples.

GLK:sjh

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Gibson, F.A. (1959) 59-6683  
J.Cons.int.Explor.Mer, 24:366-71  
 Notes on the scallop (Pecten  
maximus L.) in three closely  
 associated bays in the west of  
 Ireland

Growth, gonad developments, size  
 distributions compared. Proposed  
 improvement of fishery by imposing  
 size limits & fixing minimum spacing  
 of dredge teeth, rather than by close  
 season.

GLK:sjh

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Gibson, F.A. (1959) 59-6681  
J.Cons.int.Explor.Mer, 24:349-54  
 Some observations on the occurrence of  
Leander serratus Pennant, in Irish  
 waters

Experimental & exploratory fishing  
 with creels; catch per unit effort;  
 relation of catches to abundance of  
 shore crabs, & effect of this on bait  
 efficiency; relation to Zostera  
 distribution; size & maturity of  
 individuals in catches.

GLK:sjh

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Nielsen, E.S. (1959) 59-6684  
J.Cons.int.Explor.Mer, 24:372-3  
 A central agency for <sup>14</sup>C determination  
 (measurements of primary production in  
 the sea) at Charlottenlund Slot,  
 Denmark

Announcement of conditions under  
 which ampoules & kits will be  
 supplied & counts made.

GLK:sjh

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Holt, S.J. (1959) 59-6685  
J.Cons.int.Explor.Mer., 24 374-6  
Water temperature and cod growth-rate

Critical comment on 584947. Presents comparative data for Rastrelliger & other scombroids.

GLK:sjh

Hane, S. (1959) 59-6688  
Proc.nat.Acad.Sci., U.S., 45:886-93  
Changes in plasma 17-hydroxycorticosteroids accompanying sexual maturation and spawning of the Pacific salmon (Oncorhynchus tshawytscha) and rainbow trout (Salmo gairdnerii)

Experimental study of fish taken off west coast of U.S.

FAO:sjh

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Phillips, J.G. & 59-6686  
I.C.Jones (1957)  
J.Endocrinol., 16  
/Title unknown/

Study of adrenal corticosteroids in ray, dogfish, cod, lungfish.

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Filice, F.P. (1958) 59-6689  
Wasmann J.Biol., 16(2):159-211  
Invertebrates from the estuarine portion of San Francisco bay and some factors influencing their distributions

Incl. the results of a survey of the invertebrate fauna living in the substrate of the estuarine portion of San Francisco bay, during which natural variables - hydrogen ion content, oxygen content, & salinity of the water were observed. Artificial variable of pollution

Idler, R. & 59-6687  
Schmidt (1959)  
J.Amer.chem.Soc., March 5  
/Title unknown/

Report on the isolation of cortisone & cortisol from the blood plasma of Pacific salmon, Oncorhynchus nerka.

:sjh

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59-6689  
(Card 2)  
was also observed & the results compared with those of previous surveys.

Idler

MF



McWhinnie, M.A. & 59-6691  
B.T. Scheer (1958)  
Science, 128:90  
Blood glucose of the crab Hemigrapsus  
nudus

CFA 11(11):11. Study of carbohydrate metabolism in crustaceans to learn whether glucose is actually present in normal blood &, if so, at what levels of concentration. Crabs were collected near Charleston, Oregon, & brought to the laboratory in Eugene, where they were maintained for 5 to 10 days after capture in sea-water aquaria until blood was drawn. The stage of the animals in

Kelly, P.B., R. Reiser 59-6694  
& D.W. Hood (1958)  
J.Amer.Oil Chem.Soc., 35:503-5  
The effect of diet on the fatty acid composition of several species of fresh water fish

CFA 12(1):13. Fish were fed a series of synthetic diets. They were Ameiurus natalis natalis, Lepomis macrochirus macrochirus, Ambloplites rupestris ariommus, Ictiobus bubalus & Salmo gairdnerii irideus.

:sjh

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59-6691  
(Card 2)  
the intermolt cycle was determined by the method of Drach (1939), as modified for this sp. by Kincaid & Scheer (1952).

FAO:cfa

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Murray, J.J. (1958) 59-6695  
Maine Cst Fisherm., 13:12  
New winch-head contributes to greater trawler safety

CFA 12(1):13. To eliminate manual handling of wire cables in 2 of the most hazardous operations connected with this fishery, the U.S. Fish & Wildlife Service installed a new type winch-head on the FWS DELAWARE. Testing of the device was carried out during a recent trip.

:cfa

H

Hirst, E.L. (1958) 59-6693  
Proc.chem.Soc., Lond., July:177-87  
Polysaccharides of the marine algae

CFA 12(1):9. Chemical analysis of La Laminaria, Fucus, Irideae, Gelidium, Dilsea & Chondrus.

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Anonymous (1958) 59-6696  
Nutr.Rev., 16:22-3  
Biological value of algae protein

CFA 12(1):23. Cultured algae can serve as an efficient source of protein that has high biological value.

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MacLeod, R.A. & 59-6697  
E. Onofrey (1957)  
J.cell.comp.Physiol., 50:389-401  
Nutrition and metabolism marine  
bacteria - III. The relation of sodium  
and potassium to growth

CFA 12(3):19.

M

Thurston, C.E. (1958) 59-6700  
Food Res., 23:619-25  
Variations in composition of  
Southeastern Alaska pink salmon

CFA 12(4):11. Male & female  
Oncorhynchus gorbuscha were taken  
at the beginning, middle, & close  
of the commercial fishing season  
near Ketchikan, Alaska, during the  
summer of 1956. The samples  
represented variations in size & in  
maturity.

:cfa

MF

Anonymous. (1958) 59-6698  
West.Fish., 57:28-34  
Attraction of fish by lights only  
effective with certain species

CFA 12(3):3. Tests conducted near the  
Scottish coast show that artificial  
light primarily attracts whiting,  
young herring, & sprats. Even with the  
brightest lights (1 $\frac{1}{2}$  KW), no major  
aggregations of adult herring were  
obtained. Cod, saithe, hake, & ling all  
were observed during the experiment.

:cfa

M

Iverson, J.L. (1958) 59-6701  
Comm.Fish.Mov., 20:26-7  
Technical note no. 47 - Steelhead  
trout description and proximate  
composition

CFA 12(4):11. Salmo gairdnerii varies  
in size & colour from one habitat to  
another. Reports the proximate  
analyses of 15 steelhead trout caught  
in salt water near Ketchikan, Alaska.

:cfa

MF

Von Eitzen, J. (1957) 59-6699  
Fischereiwelt, 9:61  
The midwater trawl with four otter  
boards

CFA 12(3):7. To keep the net vertically  
open, the use of a kite is suggested as  
in the bottom trawl. Suggestions are  
made for constructing the net.

:cfa

M

Wood, J.D. (1958) 59-6702  
Canad.J.Biochem.Physiol., 36:1237-42  
Nitrogen excretion in some marine  
teleosts

CFA 12(4):13. Experiments were  
carried out to determine the  
composition of the excreta from  
different spp. of marine teleosts  
with reference to trimethylamine  
oxide. The spp. were Leptocottus  
armatus, Platichthys stellatus &  
Taeniotoxa lateralis, all of which  
were caught in the straits of Georgia,  
British Columbia, kept in aquaria, &  
fed on pieces of lingcod muscle.

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Houser, A. & W.R. Heard (1958) 59-6703  
Proc.Okla.Acad.Sci., 38:137-46  
A one-year creel census on Fort Gibson reservoir

Results of a one-year creel census on a reservoir.

FiB:wcb

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Schultz, L.P. (1958) 59-6706  
Proc.U.S.nat.Mus., 108:321-9  
Three new serranid fishes, genus Pikea, from the western Atlantic

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Dreosti, G.M. & W. Wesemann (1958) 59-6704  
Progr.Rep.Fish.Ind.Res.Inst., (40):1-3  
Clearing of sea water by flocculation

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Barch, S.H. & J.R. Shaver (1958) 59-6707  
Acta Embr.Morph.exp., 1:211-8  
The effects of various agents on the fertilizing capacity of Rana pipiens sperm

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Pennak, R.W. (1958) 59-6705  
Trans.Amer.micr.Soc., 77(3):298-303  
A new micro-isopod from a Mexican marine beach

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Klawe, W.L. (1958) 59-6708  
Data Rep.Inter-Amer.trop.Tuna Comm., 1-17  
Data collected on tuna spawning survey cruise, July 1-20, 1957

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Clay, W.M. & 59-6709  
 B.T. Carter (1957)  
Trans.Ky Acad.Sci., 18(1):12-3  
 An albino brook lamprey, Lampetra  
aepyptera (Abbott), in Kentucky

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Dussart, B. (1957) 59-6712  
Publ.Inst.Biol.apl.Barcelona, 26:117-2  
Récoltes de copépodes (Crustacés) dans  
les Pyrenées (Collections of  
 copepods, crustaceans, from the  
 Pyrenees)

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Bailey, J.E. (1958) 59-6710  
Montana, (mimeo), 15 p.  
 Comparing survival, growth and  
 condition of wild trout and hatchery  
 rainbow trout reared on two different  
 diets

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Alvord, W. (1958) 59-6713  
Montana, Dep.Fish & Game, Job Compl.  
Rep.Invest.Projects, (mimeo), 6 p.  
 Trout populations in the marginal  
 habitat streams of northeastern  
 Montana

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Guhl, A.W. (1958) 59-6711  
Manuscript, 24 p.  
 A glossary of terms used in animal  
 behaviour

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Anonymous (1958) 59-6714  
Montana Dep.Fish & Game, Job Compl.  
Rep.Invest.Projects, (mimeo), 10 p.  
 Comparisons of fish populations of  
 six Clearwater lakes

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Houston, A.H. (1958) 59-6715  
Univ. British Columbia, Programme Final  
Examination, Ph.D., 4 p.  
Locomotor performance and  
osmoregulation in juvenile anadromous  
salmonids following abrupt  
environmental salinity change

MF

Regier, H.A. (1959) 59-6718  
New York, Job Completion Rep. Invest.  
Project, Job no. 4, Project no. F-17-  
R-3:1-12  
Evaluation of farm ponds containing  
alternative warm water species

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Hubbs, C.L. & 59-6716  
K.F. Lagler (1958)  
Bull. Cranbrook Inst. Sci., (26) 1-213  
Fishes of the Great Lakes region

Gives descriptive keys & ill. of the  
234 spp. & sub-spp. in the lakes &  
their tributaries. Introductory pages  
give pertinent accounts of zoo-  
geography, glaciation, anatomy, &  
methods of study. Comments about  
distribution

:clh

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Regier, H.A. (1959) 59-6719  
New York, Job Completion Rep. Invest.  
Project, Job no. 5, Project no. F-17-  
R-3:1-11

Evaluation of channel catfish and  
yellow perch as single warm-water  
species in farm ponds

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Regier, H.A. (1959) 59-6717  
New York, Job Completion Rep. Invest.  
Project, Job no. 3, Project no. F-17-  
R-3:1-11  
Management of the bass-bluegill  
combination in farm ponds

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New York, Job Completion Rep. Invest.  
Project, Job no. 6, Project no. F-17-  
R-3:11 p.  
Evaluation of an electrical herding  
device for farm pond inventory

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Everhart, W.H. (1958) 59-6721  
Maine, Dep. Inland Fish Game, 94 p.  
Fishes of Maine

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Thesis. Univ. of Toronto, Canada,  
125 p.  
Resistance to high temperature and  
low oxygen in four freshwater  
crustaceans, and its ecological  
significance

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Schiffman, R.H. (1959) 59-6722  
Sewage industr. Wastes, 31(2):205-11  
Chromium-induced changes in the blood  
of rainbow trout, Salmo gairdnerii

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Sessional Examinations, Zool. Univ. B.C.  
Canada, (202):2 p.  
Comparative anatomy of vertebrates

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Thomson, A. (1959) 59-6723  
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CIR-3156, ICE-2, (mimeo):1-92  
Break-up and freeze-up dates of rivers  
and lakes in Canada

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Jarnefelt, H. (1958) 59-6726  
Ann. (bot.-zool.) Soc. zool.-bot. fenn.  
Vanamo, 19(5):31-52  
Zur Limnologie einiger Gewässer  
Finnlands - XVIII. (On the  
limnology of some Finnish waters -  
XVIII.)

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Anonymous (1959) 59-6727  
U.S. Fish Wildl. Serv. Bureau of  
Commercial Fisheries, 4 p.  
Lake Superior biological research  
program

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Raney, E.C. (1957) 59-6730  
J. Wash. Acad. Sci., 47(3):69-77  
Ichthyology. A key to the species and  
subspecies of the cyprinodont genus  
Fundulus in the United States and  
Canada east of the continental divide

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Judd, W.W. (1958) 59-6728  
Canad.Fld Nat., 72(3) 119-21  
Studies of the Byron Bog in southwestern  
Ontario - II. The succession and  
duration of blooming of plants

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Iwata, F. (1957) 59-6731  
J. Fac. Sci. Hokkaido Univ., Ser. 6, Zool.  
13(1-4):54-8  
On the early development of the  
nemertine, Lineus torquatus Coe

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Berry, F.H. (1958) 59-6729  
Quart. J. Fla Acad. Sci., 20(4):1 p.  
Additions to the fishes known from the  
vicinity of Cedar Key, Florida

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Hickman, C.P., Jr. (1958) 59-6732  
Univ. B. Columbia, Programme Final Oral  
Examination, Ph.D., 4 p.  
The osmoregulatory metabolism of the  
starry flounder, Platichthys stellatus

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Basrur, P.K. (1958) 59-6733  
 Univ. Toronto, Canada, Ph.D. Final Oral  
Examination Programme, 3 p.  
 The salivary gland Chromosomes of seven  
 segregates of Prosimulium (Diptera:  
 Simuliidae) with transformed centro-

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 Cientifica de la UNESCO para  
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Bol. Cent. Coop. cient. Unesco, (18) 112 p.

Contains a summary of the activities  
 of the Department of Exact and Natural  
 Sciences of the same organization;  
 activities of the Centre of Scientific  
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 & technical activities of other  
 international organizations, general  
 news, publications, & list of  
 scientific meetings.

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Bourne, N.F. (1959) 59-6734  
 Thesis Univ. of Toronto, Canada, 1959.  
 The determination of carbon transfer  
 from Chlorella vulgaris Beijerinck to  
Daphnia magna Straus, using radioactive  
 carbon ( $C^{14}$ ) as a tracer

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Contains a summary of the past &  
 future activities of Unesco in the  
 field of marine sciences; activities  
 of the Department of Exact & Natural  
 Sciences of the same organization;  
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 Cooperation of Unesco for Latin  
 America & other centres, scientific  
 & technical activities of other  
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Trans. Ky Acad. Sci., 18(2-3):29-39  
 Some epigeal isopods and amphipods  
 from Kentucky

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Anonymous (1958) 59-6739  
Fôlha manha, 27 mai  
Estatísticas indicam decréscimo da  
produção de peixes no rio Piracicaba  
(Statistics indicate decrease of fish  
production in the Piracicaba river)

A note on decrease of fish production  
caused by drought, deforestation of the  
margins of the river & pollution.

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Smith, J.L.B. (1958) 59-6742  
Ann.Mag.nat.Hist., Ser.13, 1:57-63  
The fishes of Alcatraz - F.

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& Industrial Research (1959)  
Res.Rev.Coun.sci.ind.Res., 9(1) 44 p.

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S. Africa, concerning shark control  
by electrical barriers, & water  
pollution.

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Ann.Mag.nat.Hist., Ser.13, 1:247  
The genus Limnichthys Waite, 1904  
in African seas

FAO:sjh

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Tetraodont fishes from South and East  
Africa

Smith, J.L.B. (1958) 59-6744  
S.Afr.J.Sci., Dec.:319-26  
Rare fishes from South Africa

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Darbyshire, J.F. (1958) 59-6745  
Thesis, Univ. of Rhodes, Grahamstown  
A study of the biology of the Jameson  
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Province

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Occ.Pap.Indo-Pacif.Fish.Coun., (58/1)  
7 p.  
Indo Pacific Fisheries Council  
Expanded Technical Assistance  
Programme Far East regional training  
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A summary of FAO training centers  
previously held & proposed for  
future - place, duration,  
participation, purpose. (issued as:  
Contr.Publ.IPFC/C 58/C.P.7)

FiB:sjh

MF

U.N. Economic & 59-6746  
Social Council (1958)  
ESC 25th Sess., E/3070, 37 p.  
Economic development of under-developed  
countries - A preliminary inquiry on  
existing hydrologic services

Report on questionnaire sent to UMO  
member countries as a result of an  
ESOSOC resolution, summarizing the  
organization of services & current  
problems in respect of hydrologic  
activities. Appendix lists for each  
country - in alphabetic order - the  
names of bodies responsible for  
coordination of hydrologic activities,

Tubb, J.A. (1959) 59-6749  
Occ.Pap.Indo-Pacif.Fish.Coun., (59/4)  
6 p.

A list of lake plankton - Burma

Lists plankton with approximate  
frequencies. Incl. an extract giving  
results of water analyses from lakes  
Inle & Indawgyi.

FAO:efa

F

59-6746  
(Card 2)  
their functions, relations with  
meteorological agencies & location  
of stored data of various kinds, incl.  
stream flow, water levels, run-off,  
rainfall & evaporation.

FiB:sjh

F

Grabda, J. (1958?) 59-6750  
Wiadomości Parazyt., (5):257-8  
Badania nad rozwojem Lernaea esocina  
(Burm., 1835) i Lernaea cyprinacea L.,  
1758 (Research on the development  
of Lernaea esocina (Bumeister, 1835)  
and Lernaea cyprinacea L., 1758).  
En Ru

Laboratory culture of larvae  
obtained from eggs of both spp. was  
maintained; specimens of Rhodeus  
amarus Bloch, Alburnus alburnus L.,  
Gasterosteus aculeatus L. & Carassius  
carassius L. were artificially  
infected with these larvae. Time &

59-6756  
(Card 2)  
site of invasion was determined & a  
fuller account of the morphology of  
the larvae prepared.

GLK:glk

P

Galtsoff, P.S. (1957) 59-6754  
Pap. presented to 10th Annu. Sess.,  
Gulf & Caribbean Fish. Inst., Miami,  
11-15/11/57  
Progress in fisheries biology in the  
Gulf and Caribbean Area, 1948-1957

M

Western Australia. 59-6752  
Fisheries Department (1959)  
Mon. Serv. Bull. Fish. Dep. W. Aust., 8(5)  
59-72

Notes on staff & their activities;  
issuance of fishing licenses,  
regulations & legal actions; seasons  
& results of crayfishery, information  
from abroad.

GLK:sjh

M

Stern, J.A. (1957) 59-6755  
Pap. presented to 10th Annu. Sess.,  
Gulf & Caribbean Fish. Inst., Miami,  
11-15/11/57  
The new shrimp fishery of the state  
of Washington

M

California University. 59-6753  
Scripps Institution of  
Oceanography (1959)  
Memor. Scripps Instn Oceanogr., 10 April  
17 p.  
Memorandum

An ill. account of current research  
programmes of the Institution; cruise  
schedules & objectives.

FiB:sjh

M

Suttkus, R.D. (1957) 59-6756  
Pap. presented to 10th Annu. Sess.,  
Gulf & Caribbean Fish. Inst., Miami  
11-15/11/57  
Analysis of the scales and otoliths  
of the Atlantic croaker

M

Clark, J.R. (1957) 59-6757  
Pap. presented to 10th Annu. Sess.,  
Gulf & Caribbean Fish. Inst., Miami,  
11-15/11/57  
Mesh regulations in the haddock  
fishery of North America

M

U.K. Hydrographic 59-6760  
Department (1959)  
London, Admiralty  
The Admiralty semi-graphic method of  
harmonic tidal analysis (over a period  
of one month)

M

Pantom, E.O. (1957) 59-6758  
Pap. presented to 10th Annu. Sess.,  
Gulf & Caribbean Fish. Inst., Miami,  
11-15/11/57  
"Soup for the Lord Major's Banquet":  
the turtle fishery of the Cayman  
islands

M

Pêcheurs Unis 59-6761  
de Québec (1959)  
Montréal, 62 p.  
Les coopératives de pêcheurs du  
Québec (The fisheries cooperatives  
of Quebec)

A report on the fisheries & the  
cooperative organizations of Quebec.

FiB:hr

M

Barnes, H. (1959) 59-6759  
London, Allen & Unwin, 341 p.  
Apparatus and methods of oceanography  
Part I. Chemical

M

Kray, A. (1959) 59-6762  
Game Bull. Wash. State, 11(2):6-7  
The lake Chelan spawning  
improvement project

Describes effects of stream  
improvement work on spawning grounds.

WAD:wcb

F



Thorpe, W.H. (1959) 59-6763  
New Scient., 5:858-60  
The study of animal behaviour  
Essay review of 59-4918.

Ryzikov, Iu.C. (Transl.) (1958) 59-6766  
C.R.Acad.Sci.U.R.S.S., 113:787-90  
Measurement of electric current in  
the ocean

En transl. of 581280. Available from  
Office of Technical Service,  
Department of Commerce, Washington 25,  
D.C.

FAO:

MF

M

Goodhart, C.B. (1959) 59-6764  
New Scient., 5:861-2  
Fundamental ecology  
Review of 59-6483.

Zenhovich, V.P. (1958) 59-6767  
Trud.Inst.Okeanol.Akad.N.SSSR, 28  
(On methods of direct observation of  
sediment bottom drifting in the sea).  
Ru

FAO:

MF

Kes, A.S. (Transl.) (1958) 59-6765  
Priroda, Moskva, 47(1):95-9  
Fluctuations of the Aral sea level

En transl. of 580677. Available from  
Office of Technical Service,  
Department of Commerce, Washington 25,  
D.C.

M

Zenhovich, V.P. (Transl. 59-6768  
Chamberlain, T.K.) (1958)  
Trud.Inst.Okeanol.Akad.N.SSSR, 28  
On methods of direct observation  
of sediment bottom drifting in the  
sea

En transl. of 59-6767. Available from  
SLA translation Center, The John  
Crerar Library, 86 East Randolph  
Street, Chicago 1, Illinois.

M

Buzzati- 59-6769  
 Traverso, A.A. (Ed.) (1958)  
 Berkeley, Univ. California Press, 621 p  
Perspectives in marine biology - A  
 symposium held at Scripps Institution  
 of Oceanography, University of  
 California, March 24-April 2, 1956

GLK: M

Zenkevitch, L. (1958) 59-6772  
 "In" 59-6769:27-31  
 Immediate problems in the development  
 of marine biology

Examination of contribution of marine  
 biology to biological appraisal of  
 the sea & to planning action with  
 regard to resources; discusses the  
 study of distribution of organisms,  
 indicators of biological productivity  
 & food relations.

GLK:glk M

Rae, K.M. (1958) 59-6770  
 "In" 59-6769:3-16  
 Parameters of the marine environment

Advocates establishment of a series  
 of oceanic animals amenable to  
 experiment by which relative  
 importance of various environmental  
 factors might be tested in order to  
 ensure that the factors measured in  
 the sea are the most important, with  
 discussion of problems requiring  
 analysis, & possible techniques.

GLK:glk M

Drach, P. (1958) 59-6773  
 "In" 59-6769:33-46  
 Perspectives in the study of benthic  
 fauna of the continental shelf

Discussion of the reasons for  
 continued backwardness on this study  
 & of the advances that modern under-  
 water research equipment makes  
 possible in identifying & locating  
 biological communities & in  
 establishing correlations between  
 features of these communities & of  
 their environment.

GLK:glk M

Redfield, A.C. (1958) 59-6771  
 "In" 59-6769:17-26  
 The inadequacy of experiment in marine  
 biology

Examination of the part played by  
 observation, experiment & inference  
 in studies of marine biological  
 phenomena & comparison of the  
 contributions from experiments with  
 those from observations conducted in  
 accordance with some model of the  
 system under observation. (issued as:  
Contr. Woods Hole oceanogr.Inst.,  
(923) ).

GLK:glk M

Wieser, W. (1958) 59-6774  
 "In" 59-6769:47-56  
 The particulate and the comparative  
 concept in marine synecology

Designates the descriptive, carto-  
 graphic & correlative phase of  
 synecology as particulate, & that  
 phase which examines differences  
 between communities with respect to  
 composition & ecological valence, &  
 structural & physiological  
 characteristics of their spp. as  
 comparative; ill. the latter method  
 with data from a study of Chilean  
 coast nematodes.

GLK:glk M

Riedl, R. (1958) 59-6775

"In" 59-6769:57-65

An attempt to test the efficiency of ecological field methods and the validity of their results

Discusses the disabilities of certain gears used for the study of benthos & its substrate &, against a stipulation of the kinds of data required for an adequate account of the various characteristics of benthic communities; examines the prospective usefulness of diving photographic & other techniques

GLK:glk

M

Wilson, D.P. (1958)

59-6778

"In" 59-6769 87-103

Some problems in larval ecology related to the localized distribution of bottom animals

Discussion of the factors influencing the settlement of pelagic larvae of demersal organisms, with particular reference to the biological condition of the substrate, using observations on larvae of polychaete worms for illustration; followed by discussion of the effects of biologically different water masses on the survival of these larvae.

GLK:glk

M

Thorson, G. (1958)

59-6776

"In" 59-6769:67-86

Parallel level-bottom communities, their temperature adaptation, and their "balance" between predators and food animals

Development of ideas derived from observations that level bottom substrates, of particular types & similar depths, are quantitatively dominated by invertebrates of certain characteristic genera represented by spp. particular to each geographic situation; with particular reference to factors determining the composition

Barnes, H. (1958)

59-6779

"In" 59-6769:105-16

The future of underwater television

Technological discussion of the performance & characteristics of this equipment.

GLK:glk

M

59-6776  
(Card 2)

of these communities.

GLK:glk

M

Yonge, C.M. (1958)

59-6780

"In" 59-6769:117-35

Ecology and physiology of reef-building corals

Zonation & other features of the ecology of various types of coral reefs; rejection of the hypothesis that the zooxanthellae play a nutritional role in the coral organism; the influence of light on the growth & physiology of the coral; maintenance & productivity of coral reefs.

GLK:glk

M



Tonolli, V. & 59-6781

L. Tonolli (1958)

"In" 59-6769:137-43

Irregularities of distribution of plankton communities: considerations and methods

Discussion of factors leading to departure from completely random distribution of zooplankton & description of an apparatus constructed for the purpose of studying the form & structure of plankton patches.

GLK:glk

MF

Baldwin, E. (1958)

59-6784

"In" 59-6769:189-98

Some biochemical problems in marine biology

Discussion of the scope of biochemistry, its relations with adjacent sciences, some of the problems to which its discipline could be applied, & some of the problems of organizing & conducting biochemical research.

GLK:glk

MF

Bogorov, B.G. (1958) 59-6782

"In" 59-6769:145-58

Perspectives in the study of seasonal changes of plankton and of the number of generations at different latitudes

Discussion of the inadequacy of current techniques of sampling & summing-up data & propoundment of a scheme for unification of methods of plankton research based on the principle of estimating plankton biomass & indicating the role of different spp. in the total, ill. the ideas by reference to some general results on seasonal variation in quantity of plankton & on other aspects of plankton biology.

GLK:glk

M

Bullock, T.H. (1958)

59-6785

"In" 59-6769:199-210

Homeostatic mechanisms in marine organisms

Some examples of adjustments of metabolic, osmotic & respiratory processes to changed environmental values & discussion of some types of problems relating to the mechanisms of such adjustments.

GLK:glk

MF

Hardy, A.C. (1958) 59-6783

"In" 59-6769:159-86

Toward prediction in the sea

Review of studies of relations of physical, chemical & biological components of marine systems in the Antarctic - Euphausiids & whales -, North Sea - Calanus & herring -, Singapore straits in the North Sea & North Atlantic with the Hardy continuous plankton recorder, stresses potential value of routine work from non-research vessels.

GLK:glk

M

Guzman Barron, E. (1958)

59-6786

"In" 59-6769:211-32

The regulatory mechanisms of cellular respiration

Regulatory mechanisms of cell respiration as demonstrated by experiments relating to intracellular structure & to the cell membrane, with some remarks on aerenchyma, carbohydrate metabolism & respiration & anaerobic & aerobic metabolism of glucose.

GLK:glk

MF

Szent-Györgyi, A. (1958). 59-6787  
"In" 59-6769:233-8  
Motion, energy transmission, and the  
cellular matrix

Discussion of the energy  
characteristics of biological  
phenomena as exemplified by muscular  
contraction.

GLK:glk

MF

Kon, S.K. (1958) 59-6790  
"In" 59-6769:283-97  
Some thoughts on biochemical  
perspectives in marine biology

Brief account of findings in research  
on the occurrence of vitamin A in  
invertebrates, its anatomical  
distribution & form in crustacea, its  
source in euphausiids & fluctuations  
in its occurrence in herring roes,  
with also discussion of external  
metabolites.

GLK:glk

M

Pittendrigh, C.S. (1958) 59-6788  
"In" 59-6769:239-68  
Perspectives in the study of biological  
clocks

Examination of the proposition that  
certain biological rhythms are  
controlled by some temperature-  
independent mechanism of time  
measurement of endogenous nature; &  
presentation of a general oscillator  
model, for biological clocks,  
providing for the effects of single  
perturbations, phase shifts &  
transients, & for entrainment.

GLK:glk

MF

Rodhe, W., A. Vollenweider 59-6791  
& A. Nauwerck (1958)  
"In" 59-6769:299-322  
The primary production and standing  
crop of phytoplankton

Research on lake Erken in Sweden,  
describing temporal variations in  
production & standing crop,  
composition of the standing crop,  
the share of "netplankton" & "nanno-  
plankton" in production & standing  
crop, the relations between primary  
production & fresh weight of phyto-  
plankton & chlorophyll content,

Brown, F.A., Jr. (1958) 59-6789  
"In" 59-6769:269-82  
Studies of the timing mechanisms of  
daily, tidal, and lunar periodicities  
in organisms

Discussion of the nature of certain  
rhythms in crustacea, mollusca & other  
organisms, the persistence of these  
rhythms, the endogenous nature of some  
part of the control of them, & their  
relations with various external factors.

GLK:glk

MF

59-6791  
(Card 2)  
determination of primary production  
by C<sub>14</sub> experiments in vitro.

GLK:glk

F

Margalef, R. (1958) 59-6793  
 "In" 59-6769:323-49  
 Temporal succession and spatial  
 heterogeneity in phytoplankton

Uses data from a study of the ria of  
 Vigo in Spain for an exposition of the  
 calculation & interpretation of  
 diversity index & measures of hetero-  
 geneity & their use in an examination of  
 succession in phytoplankton communities.

GLK:glk

M

Hallam, J.C. (1959) 59-6794  
J.Fish.Res.Bd Can., 16:147-73  
 Habitat and associated fauna of four  
 species of fish in Ontario streams

4 spp. of fish found in Ontario  
 streams can be divided into 2  
 distinct groups on the basis of  
 habitat & associated fauna. Salvelinus  
fontinalis Mitchill & Cottus bairdi  
 Girard are found associated in cool  
 source waters whereas Ambloplites  
rupestris Rafinesque & Micropterus  
dolomieu Lacépède occur together in  
 warmer downstream waters.

GLK:joh

F

Humphrey, G.F. (1959) 59-6794  
Aust.J.Sci., 21:268  
 Marine biology

Review of 59-6769.

GLK:

M

Basu, S.P. (1959) 59-6797  
J.Fish.Res.Bd Can., 16:175-212  
 Active respiration of fish in  
 relation to ambient concentrations of  
 oxygen and carbon dioxide

The oxygen consumption at a steady  
 rate of activity maintained by a mild  
 electric stimulus was measured for  
Salvelinus fontinalis Mitchill,  
Catostomus commersoni Lacépède,  
Ameiurus nebulosus LeSueur, Cyprinus  
carpio Linnaeus & Carassius auratus  
 Linnaeus in the presence of various  
 combinations of oxygen & carbon  
 dioxide.

GLK:spb

F

Johnson, R.G. (1959) 59-6795  
Evolution, 13(1):149  
 Perspectives in marine biology

Review of 59-6769.

GLK:

M

Scott, D.M. & 59-6798  
 W.R. Martin (1959)  
J.Fish.Res.Bd Can., 16:213-21  
 The incidence of nematodes in the  
 fillets of small cod from Lockeport,  
 Nova Scotia, and the southwestern  
 gulf of St. Lawrence

The incidence of nematodes in fillets  
 of Atlantic cod, Gadus callarias, was  
 determined in 1957 in 4 areas within  
 10 miles of Lockeport, N.S., & in 6  
 areas in the southwestern gulf of St.  
 Lawrence. Relation of incidence with  
 age, its local variation & variation  
 between inshore & offshore waters were  
 measured.

GLK:glk

M



Castell, C.H., J. Dale 59-6799  
 S.M.F. Greenough (1959)  
J.Fish.Res.Bd Can., 16:223-33  
 Spoilage of fish in the vessels at sea  
 6. Variations in the landed quality of  
 trawler-caught Atlantic cod and  
 haddock during a period of 13 months

GLK:x

M

Lyman, H. (1958) 59-6802  
Atl.St.Mar.Fish.Comm., App.Sect.  
 (16):1-8  
 Results of striped bass program

MF

Idler, D.R. & 59-6800  
 I. Bitners (1959)  
J.Fish.Res.Bd Can., 16:235-41  
 Biochemical studies on sockeye salmon  
 during spawning migration - V.  
 Cholesterol, fat, protein and water in  
 the body of the standard fish

The absolute changes in fat, protein,  
 water & free & esterified cholesterol  
 for the entire body of standard male  
 & female sockeye salmon, Oncorhynchus  
nerka, during the Fraser river spawning  
 migration are discussed.

GLK:dri

MF

Smith, P.W. & 59-6803  
 M.M. Hensley (1957)  
Proc.biol.Soc.Wash., 70:201-4  
 The mud turtle, Kinosternon  
flavescens stejnegeri Hartweg, in  
 the United States

F

Dingle, J.R. (1959) 59-6801  
J.Fish.Res.Bd Can., 16:243-5  
 Proteins in fish muscle - 15. Note on  
 the preparation of actin from cod  
 muscle with potassium iodide

Contents as per title.

GLK:glk

M

Anonymous (1957) 59-6804  
 Canada, Dep. Mines & Tech.Survey  
 Map 20-1957 Manitoulin island  
 district of Manitoulin, Ontario

F

Mackenthun, K.M. & 59-6805  
C.D. McNabb (1959)  
Bull.Wis.Comm.Water Poll., (WP195):1-52  
Sewage stabilization ponds in  
Wisconsin. A report on biological and  
chemical investigations April 1957 -  
August 1958

Stepanek, M. et al. (1958) 59-6808  
Sci.Pap.Inst.Technol., Prague, 2(2):  
313-564  
Limnological study of the reservoir  
Sedlice near Zeliv - II. Biological  
part

Douglas, N.H. (1958) 59-6806  
Contr.Okla.St.Univ.Dep.Zool., (293):  
1-33  
A study of the comparative use of  
different species of fish in the  
bioassay of petroleum refinery  
effluent

Webster, D.A., W.G. Bentley 59-6809  
& J.P. Galligan (1959)  
Mem.Cornell Univ.agric.Exp.Sta.,  
(357):1-83  
Management of the lake trout fishery  
of Cayuga lake, New York, with  
special reference to the role of  
hatchery fish

Presents findings on a study from  
1946 - 1957 to evaluate fingerling  
and yearling plantings of hatchery-  
reared lake trout, evaluate hatchery  
contribution to total population, &  
obtain pertinent management data.  
WAD:wcb F

Johnson, D.S. (1958) 59-6807  
Ann.Zool., 2(8):95-118  
The Indo-West Pacific species of the  
genus Polyonyx (Crustacea, Decapoda  
Porcellanidae)

Kjennerud, J. (1958) 59-6810  
Naturvitenk.rokke, (9):1-14  
Description of a giant squid,  
Architeuthis, stranded on the west  
coast of Norway

Lovell, H.B. (1958) 59-6811  
Wilson Bull., 70(3):280-1  
Baiting of fish by a green heron

F

Inland Fisheries Trust 59-6814  
Incorporated (1957)  
Dublin, 18 p.  
The development of brown trout  
fisheries

Gives general life history information,  
types of lakes & streams suitable for  
trout & examinations made to determine  
suitability prior to stocking.

FiBwcb

F

Lagler, K.F. (1957) 59-6812  
Carling Cons.Dig., 1-22  
Fishery biologists are for good  
fishing

F

Inland Fisheries Trust 59-6815  
Incorporated (1958)  
Dublin, 8 p.  
Notes on fishery management

Describes various fishing stands which  
enable anglers to gain access to  
fishing waters, & shelters which may  
be built to provide better carp  
fishing.

FiBwcb

F

Idler, D.R. (1959) 59-6813  
Progr.Rep.int.Pacif.Salm.Fish.Comm.,  
1-80

The energy expenditures of Fraser  
river sockeye salmon during the  
spawning migration to Chilko and  
Stuart lakes

MF

Matwin, B.M. (1959) 59-6816  
Intl.interam.trop.Tuna Comm., 3:307-52  
The relationships between length and  
weight of yellowfin tuna (Neothunnus  
macropterus) and skipjack tuna  
(Katsuwonus pelamis) from the eastern  
tropical Pacific Ocean. En Es

Tabulation of measurements & tabular  
& graphical presentation of statistical  
analysis of variability between  
samples, quarters of the year & areas.

QIA:glk

F



Arnon, D.I. (1958) 59-6817  
"In" 59-6769:351-83

Some functional aspects of inorganic micronutrients in the metabolism of green plants

Account of experimental work in a search for essential elements & establishment of the criteria of essentiality; discusses micronutrients in the nutrition of algae, the role of molybdenum, vanadium & cobalt, boron & chlorine, offers some general observations on essentiality & on the study of inorganic nutrition of marine plants.

GLK:glk

MF

Thorn, W.H. (1958) 59-6820  
"In" 59-6769:411-28

Ethology as a new branch of biology

Review of the history of the study of animal behaviour; consideration of various ways of approaching this study to ascertain how far any of them is new or embodies new techniques, & consideration of the prospects of further development & application of such methods in one or two fields of marine biology.

GLK:glk

MF

Provasoli, L. (1958) 59-6818  
"In" 59-6769:385-403

Growth factors in unicellular marine algae

After brief review of research that led to the discovery of growth factors in the nutrition of algae, discusses the B<sub>12</sub> requirement in marine organisms & evidence on its presence in marine environments, its production & consumption, & offers suggestions on the lines of research that would further elucidate these matters.

GLK:glk

M

Waterman, T.H. (1958) 59-6821  
"In" 59-6769:429-50

Polarized light and plankton navigation

Description of the behaviour of light after penetrating water & its dependence on various physical characteristics of the water, with an account of techniques for analysis of this behaviour & measurement of some of its features; & a suggestion, by reference to previous work, that the behaviour of certain pelagic organisms may be determined in part by this element of the environment.

GLK:glk

MF

Belser, W.L. (1958) 59-6819  
"In" 59-6769:405-8

Marine microorganisms: some generalizations concerning their importance to marine life

Brief discussion of inorganic & organic relations of these organisms with their environment & of their role in parasitism & disease, emphasising the paucity of our knowledge of them.

GLK:glk

M

Hasler, A.D. (1958) 59-6822  
"In" 59-6769:451-67

Perception of pathways by fishes in migration

Review of the evidence for the use, by fish, of visual points of reference, celestial marks, tactile & auditory references, olfactory stimuli, & hydrographic points for navigation in short-term (diurnal & other) & long-range movements.

GLK:glk

MF

Miyadi, D. (1958) 59-6823  
"In" 59-6769:469-79  
Perspectives of experimental research  
on social interference among fishes

Discussion of the modifications of  
individual behaviour patterns - the  
plasticity of which is referred to -  
by the presence of other individuals of  
the same or different spp., ill. by  
reference to aquarium experiments & to  
field observations of natural situations  
& those created by fishing, especially  
with the use of light.

GLK:glk

MF

Wieser, W. (1958) 59-6826  
"In" 59-6769:513-8  
Problems of species formation in the  
benthic microfauna of the deep sea

Consideration of the question of  
whether a population can break up into  
genetically isolated sub-populations in  
a homogeneous habitat & examination of  
evidence with regard to this possibility  
from the study of marine microfauna.

GLK:glk

M

Loosanoff, V.L. (1958) 59-6824  
"In" 59-6769:483-95  
Challenging problems in shellfish  
biology

Discussion of work to demonstrate the  
existence of physiological races  
(interspecific variations) in molluscs  
with regard to their temperature &  
salinity reactions, their response to  
turbidity & their food requirements;  
breeding is mentioned & the whole field  
of biological study of this group is  
considered with regard to the prospects  
of making better cultivation of these  
organisms.

GLK:glk

MF

Matsui, Y. (1958) 59-6827  
"In" 59-6769:519-31  
Aspects of the environment of pearl-  
culture grounds and the problems of  
hybridization in the genus Pinctada

Description of the techniques of pearl-  
culture & of the chemical & other  
composition of pearl & pearl-shell,  
ending with a plea for improvement of  
the pearl oyster itself.

GLK:glk

M

Ray, D.L. (1958) 59-6825  
"In" 59-6769:497-512  
Some marine invertebrates useful for  
genetic research

Discussion of the problem with regard  
to temperature, water composition &  
food supply that confront research  
workers wishing to rear marine organisms  
for experimental purposes, &  
consideration of some of the marine  
organisms that have been successfully  
cultivated & of the conditions met in  
such work.

GLK:glk

M

Novick, A. (1958) 59-6828  
"In" 59-6769:533-46  
Some chemical bases for evolution of  
microorganisms

Description of the theory of the  
chemostat, a device for continuous  
culture of microorganisms in which  
chemical factors & selection rate are  
easily observable, experimentally  
controllable; report of some results  
of mutation studies, detailed example  
of the kind of 'evolution' that occurs  
in this apparatus & remarks concerning  
the interest of this apparatus for  
marine biologists.

GLK:glk

MF

Lewin, R.A. (1958) 59-6829

"In" 59-6769:547-57

Genetics and marine algae

Discussion of genetic approaches to systematic & ecological problems in the study of algae, of the value of algae as experimental material in genetic research & of the problems of cultivation & domestication of algae for these purposes.

GLK:glk

M

Montalenti, G. (1958)

59-6832

"In" 59-6769:589-602

Perspectives of research on sex problems in marine animals

Discussion of various examples of hermaphroditism of different kinds with regard to the hypothesis that the variability of sexual phases in a population of proterandric hermaphrodites of the unbalanced type is the result of genetic heterogeneity.

GLK:glk

M

Barigozzi, C. (1958)

59-6830

"In" 59-6769:559-69

Genetic systems in sessile and semi-sessile organisms

Speculation on the genetic systems in sessile organisms with examples offered by analogies with semisessile forms having some characters in common with sessile forms, dealing with sexual & asexual reproduction & parasexual phenomena & advocating cytological & other lines of genetical investigation.

GLK:glk

M

Drach, P. (1958)

59-6833

"In" 59-6769:603-7

A few remarks on marine biology, animal biology, and general biology

Brief exposition on the theme that marine biology occupies more than half of knowledge of animal biology & is indispensable for the construction of a well-balanced general biology.

GLK:glk

M

Kohn, A.J. (1958)

59-6831

"In" 59-6769:571-88

Problems of speciation in marine invertebrates

Discussion of (1) allopatric & sympatric speciation & the significance of ecological differences between populations, (2) dispersal stages & gene flow across partial barriers, (3) genetic relationships between populations, (4) determination of stages of speciation, & (5) temporal (vertical) & spatial (horizontal) spp.

GLK:ajk

M

Yonge, C.M. (1958)

59-6834

"In" 59-6769:609-11

Some genetical problems presented by sessile coelenterates

Discussion of the material to be obtained from Coelenterata for study of various genetic problems &, in connection with planulation, the possibility of resolving problems connected with the effects of genetic constitution & of the environment.

GLK:glk

M



Buzzati-Traverso, A.A. (1958) 59-6835  
"In" 59-6769:613-21  
Perspectives in marine biology

Lists ideas & suggestions offered in papers & during discussions in the Scripps Marine Biological Symposium, see 59-6769, & discusses certain principal lines of study suggested by groups of these items.

GLK:glk

M

Tauc, L. (1959) 59-6836  
C.R.Acad.Sci., Paris, 249:318-20  
Sur la nature de l'onde de surpolarisation de longue durée observée parfois après l'excitation synaptique de certaines cellules ganglionnaires de mollusques (On the nature of the over-polarisation wave of long duration sometimes observed after synaptic excitation of certain ganglionic cells of molluscs)

Description of this phenomenon induced in Aplysia & the snail by capillary micro-electrode stimulation & discussion of its nature implying certain changes of state of cells.

FAO:glk

MF

Bougis, P. (1959) 59-6837  
C.R.Acad.Sci., Paris, 249:326-8  
Sur l'effet biologique du cuivre en eau de mer (On the biological effect of copper in sea-water)

A test for the biological study of sea-water, based on the speed of development of sea-urchin larvae, is described & used to demonstrate effects from quantities of the same order of magnitude as are found naturally; the ecological significance of these results is discussed.

FAO:glk

M

Norway. FAO-Committee (1958) 59-6838  
Oslo, 24 p.

Report 1958 from Norway to the Food and Agriculture Organization of the United Nations (for 1955, 1956 and 1957)

Incl. report on fisheries; short tables of annual landings by sp. groups; numbers & tonnage of registered vessels by size classes; legislation, trade, consumption.

FAO:sjh

M

De Angelis, C.M. (1958) 59-6839  
Boll.Pesca Piscic.Idrobiol., 12(2):159-211

Metodi di ricerca sulla produttività del mare (Methods of research on the productivity of the sea)

A literature review of techniques & factors influencing primary & secondary biological production; particular discussion of Mediterranean conditions with extensive bibliographies, both general & with reference to that area.

GLK:sjh

M

Brandhorst, W. (1959) 59-6840  
Valparaíso, mimeo, 5 p.  
Resultados de las investigaciones oceanográficas y biológicas realizadas por el experto del programa de asistencia técnica de la República Federal Alemana, en colaboración con el Departamento de Fomento de Pesca y Caza del Ministerio de Agricultura (Results of the oceanographical and biological investigations carried out by the technical assistant expert of the German Federal Republic in collaboration with the Department of Fish and Game Development of the Ministry of Agriculture)

59-6840  
(Card 2)

A short report on the oceanographic factors influencing the hake fisheries of Chile & their significance in the future development of the fisheries in Chile.

SJH:hr

M

Rich, W.H. (1957) 59-6844  
Seattle, Washington, 7 p.  
Pend Oreille Lake Kokanee - Analysis of creel census data for 1956

Part of a series of studies in connection with the effect of the Albeni Falls dam on Oncorhynchus nerka kenneryli.

GLK:wad

F

México. Secretaría de 59-6842  
Marina. Dirección General de  
Pesca (1958)  
Piscicult.rural, 8(3, 4):11 p.

Short popular articles on commercial fish-culture & fertilization of ponds in Mexico.

FiB:hr

F

Franco. Office de la 59-6845  
Recherche Scientifique et  
Technique Outre-Mer (1959)  
Rapp.Croisière Inst.franc.Océanie, (2):  
21 p.  
ORSOM III - Compte rendu des croisières de l'année 1958 (ORSOM III -  
Report of the cruises during 1958)

A report on the cruises "Astrolabe", "Boussole" & secondary operations encompassing oceanographic observations, physical & biological, & ichthyological, fisheries & mammals observations.

GLK:hr

M

Rich, W.H. (1958) 59-6843  
Seattle, Washington, 3 p.  
Pend Oreille Lake Kokanee - Analysis of creel census data for 1957

Part of a series of studies in connection with the effect of the Albeni Falls dam on Oncorhynchus nerka kenneryli.

GLK:wad

F

Smith, J.L.B. (1959) 59-6846  
Ichthyol.Bull., (11):229-52  
Fishes of the families Blenniidae and Siganidae of the western Indian Ocean

Contains keys to genera and spp. & descriptions of the same.

FAO:hr

M

McLeod, K. (Ed.) (1958) 59-6847  
Washington St.Dep.Fish., 148 p.  
Fisheries, fish farming, fisheries  
management

Collection of brief articles (some  
being reprints) dealing with the  
cultivation of oysters, clams, salmon  
trout & other fish, & with problems such  
as fertilisation of water, pond  
engineering, disease control, breeding,  
predator control, & international  
fisheries.

WAD:glk

MF

Smith, F.G.W. & 59-6850  
H. Chapin (1958)  
"In" 59-6847:33-45  
Ocean pasturage

Reprint of the Sun, the Sea and  
Tomorrow, 6:106-36, New York, 1954.

WAD:

M

McLeod, K. (1958) 59-6848  
"In" 59-6847:11-22  
History of fish farming

McLeod, K. (1958) 59-6851  
"In" 59-6847:46-52  
Oyster farming

WAD:

MF

WAD:

M

Smith, F.G.W. & 59-6849  
H. Chapin (1958)  
"In" 59-6847:23-32  
Farming for fishes

McLeod, K. (1958) 59-6852  
"In" 59-6847:53-60  
Clam farming

Reprint of the Sun, the Sea and  
Tomorrow, 5:81-105, New York, 1954.

WAD:

M

WAD:

MF



Pautzke, C.F. (1958) 59-6853  
"In" 59-6847:61-70  
Salmon of the northwest and some of  
the factors influencing their production

Ellis, C.H. (1958) 59-6856  
"In" 59-6847:87-96  
Hatchery and fish farm relationships

WAD:

WAD:

MF

McLeod, K. (1958) 59-6854  
"In" 59-6847:71-8  
Fertilization of water

Earp, B. (1958) 59-6857  
"In" 59-6847:97-8  
Progress in fish disease control

WAD:

WAD:

MF

Heg, H.T. (1958) 59-6855  
"In" 59-6847:79-86  
Hydraulic control structures for fish  
farming ponds

McLeod, K. (1958) 59-6856  
"In" 59-6847:99-107  
Hybrid stocks and selective breeding

WAD:

WAD:

MF

McLeod, K. (1958)  
"In" 59-6847:108-15  
Pollution control

59-6859

Moore, M. (1958)  
"In" 59-6847:135-46  
Fisheries management

59-6862

WAD:

MF

WAD:

MF

McLeod, K. (1958)  
"In" 59-6847:116-29  
Predator control

59-6860

Moore, M. (1958)  
"In" 59-6847:147-8  
Expectancy of salmon

59-6863

WAD:

MF

WAD:

MF

Moore, M. (1958)  
"In" 59-6847:131-4  
International fisheries

59-6861

Chile. Ministerio de 59-6864  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1958)  
Bol.inform.Chile, (61):11 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

WAD:

MF

FAO:hr

MF

Chile. Ministerio de 59-6865  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1958)  
Bol.inform.Chile, (62):15 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

FAO:hr

MF

Caldwell, D.K., A. Carr & 59-6868  
L.H. Ogren (1959)  
Bull.Fla St.Mus., 4:295-308  
The Atlantic loggerhead sea turtle  
Caretta caretta caretta (L.) in America.  
I. Nesting and migration of the Atlantic  
loggerhead turtle

Tagging evidence shows that female may  
travel as much as 1000 shoreline miles  
away from the nesting beach in 10  
months. The nesting procedure of the  
Atlantic loggerhead is described & ill.  
The principal nesting range of the sub-  
species is the mainland coast of North

Chile. Ministerio de 59-6866  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1958)  
Bol.inform.Chile, (63):13 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

FAO:hr

MF

59-6868  
(Card 2)  
America from about Cape Lookout, North  
Carolina, to Mexico.

FAO:hr

M

Chile. Ministerio de 59-6867  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1958)  
Bol.inform.Chile, (64):15 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

FAO:hr

MF

Caldwell, D.K. et al. (1959) 59-6870  
Bull.Fla St.Mus., 4:309-18  
The Atlantic loggerhead sea turtle,  
Caretta caretta caretta (L.), in America.  
II. Multiple and group nesting by the  
Atlantic loggerhead turtle

Individuals nest several times on the  
same stretch of beach in a summer, but  
it is not yet known whether each  
individual lays every year. Tagging  
results show groups of turtles nest  
together several times, & it is believed  
they stay together during the periods  
between the nesting emergences.

FAO:hr

M



Caldwell, D.K. (1959) 59-6871  
Bull.Fla St.Mus., 4:319-48  
The Atlantic loggerhead sea turtle,  
Caretta caretta caretta (L.), in America.  
III. The loggerhead turtles of Cape  
Romain, South Carolina

There is no correlation between nesting  
activity & the stage of the moon, tide,  
& weather conditions. The physical  
features of the beach are apparently  
the most important factors. Details of  
the nest & of the eggs, their incubation,  
& hatching are presented for future  
comparison with other spp.

FAO:hr

M

Anonymous (1959) 59-6874  
Mundo d.Natura, (3):88  
Anablepidi (Anablepidae)

Article on Anablepidae consisting of  
synopsis of Anableps tetraopthalmus  
under headings: anatomical &  
morphological characteristics, life  
cycle, ecology, distribution & relation  
to man.

HR:hr

F

Duarte-Bello, P.P. (1959) 59-6872  
Univ.de Villanueva, Marianao, Cuba,  
monogr. 6:208 p.  
Catálogo de peces cubanos (Catalogue  
of fishes of Cuba)

A sytematic catalogue of common & rare  
spp. of fresh, brackish & saltwater spp.  
Cuban & other common names of the spp.,  
synonyms, local & total distributions  
are listed.

HR:hr

MF

Anonymous (1959) 59-6875  
Mundo d.Natura, (3):91  
Anarricadidi (Anarrhicadidae)

Article on Anarrhicadidae consisting of  
synopsis of Anarrhicas lupus under  
headings: morphological & anatomical  
characteristics, life cycle, ecology,  
distribution & relation to man.

HR:hr

M

Ghana Government (1958?) 59-6873  
Mimeo, 15 p.  
Report by the Government of Ghana to  
the Food and Agriculture Organization  
of the United Nations for the period  
1955 to 1957

Includes section on fisheries, giving  
notes on production, research, exploration,  
mechanization, stocking freshwaters,  
education.

FiB:sjh

MF

Anonymous (1959) 59-6876  
Mundo d.Natura, (3):91-2  
Anaspidacei o Anomostraci (Anaspidacea  
or Anomostraca)

Article on Anaspidacea or Anomostraca  
consisting of synopsis of Anaspides  
tasmaniae, Paranaspides lacustris,  
Koonunga cursor, Bathynella natans,  
Parabathynella stygia under headings:  
morphological & anatomical characteristics,  
ecology, classification & distribution.

HR:hr

M

Wolf, K. & 59-6877  
C.E. Dunbar (1959)  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (286)  
8 p.

Methods of infecting trout with kidney disease and some effects of temperature on experimental infections

Transmission of kidney disease was studied in eastern brook trout, Salvelinus fontinalis, held at 12.5° C.

Fish were subjected to almost daily inoculations or exposures for 102 days, & observations were continued for an additional 200 days. Two strains of the causative bacterium were compared. The bacterium was fed alone, with glass

splinters, & with bile salts. It was also inoculated by 2 methods of abrasion.

GLK:kw

F

Jensen, A.C. (1958) 59-6877  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (262)  
6 p.

Corrosion resistance of fish tagging pins

Aquarium-held haddock were tagged with nickel and Type 304 stainless steel pins to compare the corrosion resistance of the 2 metals. The stainless steel pins proved to be superior.

GLK:acj

M

Gennerich, J. (1958) 59-6880  
Allg.FischZtg., 83:61-5  
Sind Fischpässe in kanalisierten Flüssen wirtschaftlich gerechtfertigt? (Are fish-passes in canalized rivers economically justified?)

Discusses economical aspects of the problem & summarizes that the restocking should be preferred at places where typical migrators, such as salmon, are missing.

FAO:dr

F

Wunder, W. (1958) 59-6881  
Allg.FischZtg., 83:67-9  
Die Schleie, das Stiefkind der modernen Teichwirtschaft (Tench, the neglected child of modern pond management)

Reviews the possibilities of a better tench management.

FAO:dr

F

Deufel, J. (1958) 59-6882  
Allg.FischZtg., 83:74-6  
Untersuchungen über die Wirkung von T-Vitamin-Goetsch auf Regenbogenforellen (Experiments on the effect of vitamin T-Goetsch on rainbow trouts)

Describes feeding experiments & results. (To be continued).

FAO:dr

F

Dawson, E.Y. (1959) 59-6883  
Pacif.Nat., 1(7):8 p.  
Some algae from Clipperton Island and  
the Danger Islands

Taxonomic list of benthic algae from  
some locations in tropical Pacific with  
notes on the general distribution of  
some spp.

FAO:tl

M

Scalfati, G. (1959) 59-6886  
Roma, Associazione Nazionale Produttori  
della Pesca, 42 p.

Diritti di pesca e diritti di proprietà  
delle acque dolci, salse e salmastre  
destinate alla pesca - Relazione generale  
al Convegno in Ancona, presso la Fiera  
della Pesca - 13 luglio 1959 (Fishing  
rights and rights of property in fresh,  
salt & brackish waters used for fishing -  
General report of the meeting in Ancona  
at the "Fiera della Pesca" - 13 July  
1959)

Discussion of the nature of fishing  
rights, & property in these waters,

Brown, A.D. (1957) 59-6884  
J.gen.Microbiol., 17:640-8  
Some general properties of a  
psychrophilic pseudomonad: the effects  
of temperature on some of these  
properties & the utilization of  
glucose by this organism & Pseudomonas  
aeruginosa

Some experiments undertaken to  
determine some general properties of  
a typical psychrophil, to compare some  
of these properties with those of a  
closely related mesophilic sp. & to  
suggest ways in which it might be  
possible to study the special properties

59-6886  
(Card 2)  
from puritital & general administrative  
points of view.

FiB:glk

F

59-6884  
(Card 2)  
of the psychrophil which enable it to  
thrive at low temperatures.

Barnard, J.L. & 59-6888  
O. Hartman (1959)  
Pacif.Nat., 1(6):16 p.  
The sea bottom off Santa Barbara,  
California: biomass and community  
structure

The seabottom itself is described &  
its communities are mapped, their  
composition shown by tables giving  
numbers of each sp. found at each of a  
number of stations, & their biomass  
shown by means of 'biomass profiles'.

FiB:adb

F

FAO:tl

M



Kutkuhn, J.H. (1958) 59-6889  
Proc.Iowa Acad.Sci., 65:571-9  
Utilization of gizzard shad by game  
fishes

The paper points out the relative  
importance of the gizzard shad to the  
overall economy of game fish populations  
in a shallow prairie lake.

WAD:wcb

F

Anonymous (1959) 59-6892  
Science, 129:825-7  
International Oceanographic Congress

Notice of the arrangements for this  
meeting.

FAO:glk

M

Freeman, B.O. (1959) 59-6890  
Miss.Game Fish., 22(8):4-5, 8  
Management of farm fish ponds

A summary of pond management techniques  
for Mississippi area.

FAO:wcb

F

Wilson, D.M. (1959) 59-6893  
Science, 129:841-2  
Function of giant Mauthner's neurons  
in the lungfish

On the assumption that giant fibres  
mediate startle responses, attempts  
were made with various types of  
stimulation of Mauthner's axons in  
Protopterus, to produce sudden, single,  
stereotyped, large-magnitude movements.

FAO:glk

M

Paloumpis, A.A. (1958) 59-6891  
Proc.Iowa Acad.Sci., 65:580-6  
Measurement of some factors affecting  
the catch in a minnow seine

Evaluates effect of direction of seine  
haul, number of hauls, water level, &  
time on catch in a small stream, & the  
number of samples needed to detect  
varying percentage changes in fish  
population.

WAD:wcb

F

Eibl-Eibesfeldt, I. (1959) 59-6894  
UNESCO Mission Report, (8):31 p.  
Survey on the Galapagos Islands

Report of a survey carried out jointly  
by UNESCO & IUCN, in July 1957.  
Map, many ill.; includes ecological  
notes on endemic spp. such as the  
marine iguana, Amblyrhynchus cristatus  
the fur sea, Arctocephalus galapagoensis,  
& the sea lion, Zalophus wollebaeki.

FAO:ajh

M

Mužinić, R. (1958) 59-6895  
Rapp.Comm.int.Mer Médit., 14:313-5  
Sur la coïncidence et l'alternance dans  
la pêche de quelques poissons pelagiques  
(On the coincidence and alternation in  
the fisheries of some pelagic fishes)

Some parallel & opposite tendencies of  
the fisheries of some small pelagic  
spp. in the central part of the  
oriental Adriatic are considered &  
analysed.

FiB:hr

M

De Graaf, F. (1959) 59-6898  
Bull.aquat.Biol., 1:41-3  
On the use of Lindane in fresh and sea  
water

Describes treatment of aquaria for  
parasitic crustaceans.

FAO:wcb

MF

India. Ministry of Food 59-6896  
& Agriculture (1958)  
Indian Fish.Bull., 5(3):51 p.

Detailed summary & reports on marine &  
inland fisheries developments in India  
& elsewhere. Biological, technological  
& socio-economic studies in progress,  
technical assistance projects.

FAO:sjh

MF

Stock, J.H. (1959) 59-6899  
Bull.aquat.Biol., 1:43  
New host and distribution records of  
parasitic Copepoda

Lists 5 new vertebrate hosts for  
parasitic crustacea in N. Sea.

FAO:wcb

M

India. Ministry of Food 59-6897  
& Agriculture (1958)  
Indian Fish.Bull., 5(4):43 p.

Detailed summary & reports on marine &  
inland fisheries developments in India  
& elsewhere. Biological, technological  
& socio-economic studies in progress,  
technical assistance projects.

FAO:sjh

MF

Santos Pinto, J. dos (1958) 59-6900  
Notas Inst.Biol.Marit., (18):25-30  
Sarcomatose buccale simultanée avec une  
grande hypertrophie de la thyroïde,  
chez Trichiurus lepturus L. (Mouth  
sarcomatosis together with a great  
hypertrophy of the thyroid of Trichiurus  
lepturus L.)

A study of the anomalies which are  
described revealed their morphological  
independence.

FAO:hr

M

Ward, F.J. (1959) 59-6901  
Bull.int.Pacif.Salm.Fish.Conv., 10:70 p.  
Character of the migration of pink  
salmon to Fraser River spawning grounds  
in 1957

Times of passage of pink salmon  
migrating through the commercial  
fisheries, intensity of the Fraser  
River fishery, rates of migration &  
periods of delay, chronological order  
during migration, & enumeration of  
escapement, studied in relation to  
the requirements of scientific  
management of the fisheries.

HR:glk

F

Lake, J.S. (1959) 59-6904  
Res.Bull.St.Fish., N.S.W., (5):19 p.  
The freshwater fishes of New South Wales

Ill. list of endemic & introduced spp.,  
giving for some detailed notes on such  
matters as habitat, size, reproduction,  
food, angling qualities, & reaction to  
handling, & for others brief notes on  
appearance.

GLK:glk

MF

Olsen, A.M. (1959) 59-6902  
Fish.News Lett.Aust., 18(6):15  
School shark tag recoveries

Notice of recoveries with data on time  
of release, growth & movement.

GLK:glk

M

Matida, Y. & 59-6905  
N. Kawasaki (1958)  
Bull.Freshw.Fish.Res.Lab., Tokyo, 8(1):  
1-6

Study on the toxicity of agricultural  
control chemicals in relation to fresh-  
water fisheries management. No. 2  
Toxicity of agricultural insecticides  
to Daphnia carinata King

Describes experiments testing toxicity  
of 14 agricultural insecticides on  
Daphnia carinata King.

FiB:wcb

F

Ling, J.K. (1958) 59-6903  
Fish.Contr., Victoria, (8):18 p.  
The status of the East Gippsland bream  
fishery

General description of the fishery &  
discussion of catch statistics as  
total, & catch per man annually &  
monthly.

FAO:glk

MF

Takeya, T. (1958) 59-6906  
Bull.Freshw.Fish.Res.Lab., Tokyo, 8(1):  
7-14

(Developmental change of labial plate in  
Chironomus plumosus (Tendipedidae) and  
its age and length estimation). Ni En

Presents data on use of labial plate of  
Chironomus plumosus in determining age &  
length estimate of larva.

FiB:wcb

F



Maruyama, T. (1958) 59-6907  
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):  
25-32

(An observation on Tilapia mossambica in pond referring to the diurnal movement with temperature change). Ni En

Deals with the diurnal movement of T. mossambica in relation to changes in temperature & oxygen content of the water.

FiB:wcb

F

U.K. Herring Industry Board (1959) 59-6910

Rep.Herring Ind.Bd.Scotl., 24:52 p.  
Twenty-fourth annual report, 1958

The Board's report on the industry & its own activities, giving composition of the Board, state of the fishery (catches, disposal of landings, composition of the fleet), commercial & statutory arrangements between the Board & the industry, report on marketing, production, research & development, & public relations activities.

FAO:glk

M

Shiraishi, Y. & E. Tokunaga (1958) 59-6908  
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):  
33-43

(Spawning and its physical environment of pond-smelt (Hypomesus olidus) in lake Sagami). Ni En

Describes spawning requirements.

FiB:wcb

F

Lennon, R.E. (1959) 59-6911  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (287):  
13 p.

The electrical resistivity meter in fishery investigations

Reviews the use of this equipment for estimating total dissolved solids content of waters, selection of gear for electrofishing, & determination of velocity, stretch-out, dilution & effective range of a solute along the course of a river.

GLK:glk

F

Kafuku, T. (1958) 59-6909  
Bull.Freshw.Fish.Res.Lab., Tokyo, (8):  
45-78

Speciation in cyprinid fishes on the basis of intestinal differentiation, with some references to that among catostomids

Describes characteristics of intestinal tracts of 3 races of crucian carp & suggests use as basis of taxonomic separation.

FiB:wcb

F

Moore, H.L. (1959) 59-6912  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (272):  
31 p.

Doctoral dissertations on the management and ecology of fisheries

Titles, extracted from the annual "Doctoral Dissertations Accepted by American Universities" 1951-52 to 1954-55, published by H.W. Wilson Company, New York, are grouped under subject headings; degree for which presented, & University, are given.

GLK:glk

MF

Romaniuk, V.A. (1958) 59-6913  
Bull.Acad.Sci.U.R.S.S., (geophys.), (1):  
54-64  
(Determination of gravity at sea with  
a pendulum. III.). Ru

M

Shuleikin, V.V., V.F. Gushchin 59-6916  
& P.I. Pesnov (1958)  
Bull.Acad.Sci.U.R.S.S., (geophys.), (6):  
729-40  
(Fluctuations of the heat balance in  
the Atlantic Ocean). Ru

M

Kontoboitseva, N.V. (1958) 59-6914  
Bull.Acad.Sci.U.R.S.S., (geophys.), (1):  
86-92  
(Measurement of temperature oscillation  
in the surface layer of the sea). Ru

M

Gal'perin, B.I. & 59-6917  
I.P. Kosminskaya (1958)  
Bull.Acad.Sci.U.R.S.S., (geophys.), (7):  
833-47  
(Some features of the method of deep  
seismic sounding in the sea). Ru

M

Khlopov, V.V. (1958) 59-6915  
Bull.Acad.Sci.U.R.S.S., (geophys.), (2):  
235-43  
(Changes in the mixing coefficient  
according to observations in the Black  
Sea). Ru

M

Mamaev, O.I. (1958) 59-6918  
Bull.Acad.Sci.U.R.S.S., (geophys.), (7):  
870-5  
(The effect of stratification on the  
vertical turbulent mixing in the sea).  
Ru

M

Pertsev, B.P. (1958) 59-6919  
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):  
946-58  
(Harmonic analysis of elastic tides).  
Ru

M

Khvan, A.P. (1958) 59-6922  
Bull.Acad.Sci.U.R.S.S., (geophys.), (10):  
1202-10  
(The field of wind waves in a shallow lake).  
Ru

F

Legen'kov, A.P. (1958) 59-6920  
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):  
989-94  
(Free plane oscillations of an ideal homogeneous liquid in an infinite canal of variable section).  
Ru

MF

Kolesnikov, A.G. & 59-6923  
I.I. Speranskaia (1958)  
Bull.Acad.Sci.U.R.S.S., (geophys.), (11):  
1351-9  
(An apparatus for determination of heat flow).  
Ru

M

Kostina, A.F. (1958) 59-6921  
Bull.Acad.Sci.U.R.S.S., (geophys.), (8):  
1029-32  
(Relation between microseism observed in the Crimea and the meteorological conditions over the Black Sea).  
Ru

M

Kolesnikov, A.G. & 59-6924  
A.A. Speranskaia (1958)  
Bull.Acad.Sci.U.R.S.S., (geophys.), (12):  
1463-9  
(The diurnal rise of temperature in water in spring and the rate of thawing of the base of ice cover in reservoirs).  
Ru

F



Hjul, P. (1959) 59-6925  
France pêche, 4(29):21-4  
Les études des architectes navals de la  
F.A.O. sur les bateaux de recherches  
scientifiques du sud de l'Afrique  
(The studies by FAO Naval Architects  
on South African scientific research  
vessels)

Account of international collaboration  
in the design of the SARDINOPS & the  
TRACHURUS, with information on the  
features of these vessels.

GLK:glk

M

E.P. (1959) 59-6928  
France Pêche, 4(30):24-7  
Les langoustiers bretons en Mauritanie  
(Lobster fishers from Brittany in Mauritania)  
  
Popular account of the fishery, its  
grounds gear, boats & bait. Trawling.  
Statistics.

GLK:glk

M

Lenier, R. (1959) 59-6926  
France pêche, 4(29):26-33  
Éléments nouveaux sur la migration des  
thons (New elements on the migration  
of tunas)

Restatement of results from GFCM papers  
on the application of echo-sounders to  
the study of tuna migration.

GLK:glk

M

Priol, E. (1959) 59-6929  
France Pêche, 4(30):30-2  
Les oiseaux et la pêche (Birds and  
fishery)

Popular note on birds feeding on fish,  
their value as indicators of the  
presence of fish, & of meteorological  
conditions.

GLK:glk

M

Anonymous (1959) 59-6927  
France pêche, 4(29):39-40  
Fiche technique du sprat et du rouget-  
barbet (Fishery card on sprat and  
red mullet)

Detachable cards, ill., giving biology,  
habitat, fishing, catch, commercial use  
of Clupea sprattus & Mullus barbatus.

GLK:glk

M

Anonymous (1959) 59-6930  
France pêche, 4(30):49-50  
Fiche technique de la carline et du  
grondin gris (Fishery card on  
megrim and grey gurnard)  
  
Detachable cards, ill. giving biology,  
habitat, fishing, catch, commercial use  
of Zugmpterus megastoma or Lepidorhombus  
megastoma & Trigla gurnadus.

GLK:glk

M

Corchus, Z. (1957) 59-6931  
Bull.franç.Pisc., 30(186):5-21.  
 Problèmes du repeuplement des régions  
 à brème et à barbeau dans les eaux  
 continentales françaises (Some  
 problems on restocking French  
 continental waters with bream and red  
 mullet)

Discusses principal causes for decline  
 in populations, methods of restocking,  
 describes nesting & egg boxes, &  
 social aspects of restocking.

FAO:wcb

F

Lenier, R. (1959) 59-6934  
France pêche, 40(31):22-8  
 Que savons-nous des océans? (What  
 do we know about the oceans?)

Popular note on marine phenomena &  
 sea-monsters.

GLK:glk

M

Grasset, O. (1957) 59-6932  
Bull.franç.Pisc., 30(186):22-5  
 La production piscicole et l'envasement  
 (Fish production and silting)

General discussion of fish production &  
 the effects of siltation.

FAO:wcb

F

Kurc, G. & 59-6935  
 A. Percier (1959)

France pêche, 40(31):34-42  
 La pêche à la lumière - Les essais de  
 l'Institut Scientifique des Pêches  
 (Fishing and light - The attempts of  
 the "Institut Scientifique des Pêches")

Description of this method of fishing,  
 with diagrams & photographs. Reprint  
 of Sci.Pêche, April-May 1959.

GLK:glk

M

Molard, J. (1959) 59-6933  
France pêche, 40(31):17-21, 60  
 L'industrie marocaine des pêches  
 (Moroccan fisheries industry)

Review of production, fishing methods,  
 handling, marketing & distribution,  
 & administration with some detail on  
 the sardine & tuna fisheries.

Anonymous (1959) 59-6936  
France pêche, 40(31):49-50  
 Fiche technique de la coquille Saint-  
 Jacques (Fishery card on scallop)

Detachable cards, ill., giving biology,  
 habitat fishing, catch, commercial use  
 of Pecten maximus.

GLK:glk

F

GLK:glk

M

Rich, W.H. (1959) 59-6937  
Seattle, Washington, 12 p.  
Pend Oreille Lake, Idaho: - Analysis of  
creel census data for 1958 and résumé  
of the eight year study

Tabulation of indices of abundance for  
the years 1951 to 1958 based on (1)  
number of fishermen interviewed, (2)  
number of hours fishing reported,  
(3) number of kokanee caught, &  
discussion with regard to evidence on  
the age composition of the stocks.

GLK:glk

F

Soekarno, R. (1959) 59-6940  
Occ.Pap.Indo-Pacif.Fish.Coun., 59/7:6 p.  
mimeo

The function and significance of fish-  
culture in relation to the regional  
village economy

General discussion of the socio-economic  
role of fishculture in Indonesia.  
Gives some production figures.  
Reissue of 59-6061.

FiB:wcb

MF

Anonymous (1958) 59-6938  
Bol.Pesca, 11(60):12-9  
Pescarias e cooperação internacional  
(Fisheries and international cooperation)

Portuguese translation of 59-3229.

MF

Michigan. Department of 59-6941  
Conservation (1958)  
Bienn.Rep.Dep.Conserv., Michigan, (19):  
98 p., 1957-1958

Brief summary of states fishery  
program & highlights of findings.

FiB:wcb

F

Demel, K. (1959) 59-6939  
Warszawa, Państw.Zakł.Wydawnictw  
Szkolnych, 148 p., 3rd ed.  
Biologia morza (Marine biology)

First edition in 1927.

M

Chang, C.W. (1959) 59-6942  
FAO Reg.Off.for Asia and the Far East,  
Bangkok, 51 p.

Lists of government agricultural  
organizations and selected agricultural  
colleges, together with names of their  
chief administrators, by countries in  
Asia and the Far East

MG



Postel, E. (1958) 59-6943  
Etud. Outre-Mer, (Aug. Sept. Oct.): 11 p.  
 Biologie marine et évolution des pêches  
 maritimes dans les territoires d'outre-  
 mer (Marine biology and evolution  
 of marine fisheries in the overseas  
 territories)

Contains a brief historical review of  
 the development of the organization of  
 fisheries research in French territories,  
 a detailed description of the present  
 organization with information on  
 laboratories staff & research vessels,  
 description of research carried out &  
 obtained results, research required &  
 general bibliography.

GLK:hr

M

Carter, N.C.C. (1957) 59-6944  
Thesis, Univ. of Cambridge, U.K.  
 Studies on the cultivation of Euglena  
spirogyra

Investigation of suitable media &  
 techniques.

:sjh

F

Plack, P.A. (1957) 59-6946  
Thesis, Univ. of Cambridge, U.K.  
 The vitamin A of some marine Crustacea  
 and its metabolism

Chemical study of extracts from  
 euphausiids, Meganyctiphanes & Thysanoessa  
 spp. & decapods, Pandalus spp.

:sjh

M

Shelton, G. (1957) 59-6947  
Thesis, Univ. of Cambridge, U.K.  
 Respiratory movements and their  
 nervous regulation in teleost fish

Simultaneous ciné records of breathing  
 movements & pressure changes in buccal  
 & opercular cavities of Salmo trutta,  
Rutilus rutilus & Tinca tinca.

:sjh

F

Anthony, E.H. (1957) 59-6945  
Thesis, Univ. of Cambridge, U.K.  
 The effects of thermal environment upon  
 the blood of goldfish, Carassius auratus

Determination of capacity & affinity for  
 oxygen of blood from fish acclimatised  
 at range 5 - 30°C; & of importance of  
 haemoglobin for respiration.

:sjh

F

Loeb, H.A. (1959) 59-6948  
N.Y. Fish Game J., 6(1): 114-6  
 General notes - Temperature-controlled  
 aquarium tanks

Describes effective, relatively  
 inexpensive 3 - 500 gallon aquarium  
 construction.

FiB:wcb

FG

Kelly, W.H. & H.A. Loeb (1959) 59-6949  
N.Y.Fish Game J., 6(1):119-20  
Inexpensive tag for identifying  
laboratory fish

Contents as per title.

FiB:wcb

FG

Kelly, W.H. (1959) 59-6950  
N.Y.Fish Game J., 6(1):118-9  
A fish-holding device

Describes construction of an efficient  
holding device for large individual  
fish.

FiB:wcb

FG

Brook, A.J. (1958) 59-6951  
Proc.R.Irish Acad., 59B:71-91  
Desmids from the plankton of some  
Irish loughs

Paper deals with morphology of the  
more interesting & unusual desmids.

FiB:wcb

F

Anantaraman, S. & S. Krishnaswamy (1958) 59-6952  
J.zool.Soc.India, 10(1):1-3  
Tetraphyllidean larvae in the marine  
copepod, Eucalanus pseudattenatus  
Sewell, from the Madras coast

Brief description.

GLK:glk

M

Tampi, P.R.S. (1958) 59-6953  
J.zool.Soc.India, 10(1):15-32  
The anatomy of Armandia leptocirris  
Grube (Polychaeta)

The anatomy of the common Opheliid  
polychaete Armandia leptocirris  
occurring in the intertidal areas in  
Krusadai Island in the Gulf of Mannar  
is described pointing out the salient  
comparative anatomical features with  
those of other known Opheliids.

GLK:prt

M

Ramamoorthi, K. (1958) 59-6954  
J.zool.Soc.India, 10(1):33-8  
Chromosomes of Viviparus dissimilis  
(Muller) and Viviparus bengalensis  
(Lamarck) (Prosobranchia - Gastropoda)

Contents as per title.

GLK:glk

M

Krishnamoorthi, K.P. (1958) 59-6955  
J.zool.Soc.India, 10(1):49-53  
 Changes in the free amino acids in the  
 different stages of ovary of the fish,  
Labeo fimbriatus (Bloch), Lystus  
seenghala (Sykes) and Boleophthalmus  
boddaerti (Day)

Contents as per title.

GLK:glk

F

Swarnap, H. (1958) 59-6958  
J.zool.Soc.India, 10:108-13  
 Abnormal development in the temperature-  
 treated eggs of Gasterosteus aculeatus  
 (L.); I cleavage abnormalities

Contents as per title.

GLK:glk

M

Rangarajan, K. (1958) 59-6956  
J.zool.Soc.India, 10(1):54-67  
 Diurnal tidal cycle in Vellar estuary  
  
 Tides & tidal range, temperature changes,  
 salinity, oxygen, carbonates &  
 bicarbonates, currents, turbidity &  
 plankton.

GLK:glk

MF

Sriramulu, V. (1958) 59-6959  
J.zool.Soc.India, 10:114-9  
 Quantitative study of the amino acids  
 in the development of Cryzias melastigma  
 (McClelland)  
  
 Quantitative study of the amino acids &  
 amino nitrogen during the development of  
Cryzias melastigma (McClelland).

GLK:vs

M

Natarajan, R. (1958) 59-6957  
J.zool.Soc.India, 10:103-7  
 Chromosomes of some estuarine  
 Basommatophorous snails (Mollusca:  
 Pulmonata) from Portonovo

The karyotypes of 3 representatives of  
 Basommatophorous snails belonging to the  
 family Ellobiidae have been studied, &  
 chromosome numbers of these spp. reported  
 for the first time.

GLK:rn

MF

Alikunhi, K.H. (1958) 59-6960  
J.zool.Soc.India, 10:120-47  
 Notes on a collection of stomatopod  
 larvae from the Bay of Bengal, off the  
 Mahanadi estuary

Morphological & distributional notes on  
 spp. of Squilla & Lysiosquilla.

GLK:glk

MF



Swaminathan, S. (1958) 59-6961  
J.zool.Soc.India, 10:150-4  
 The amino acids of the crystalline style of Telescopium telescopium (Linn.)

The amino acid composition of the crystalline style of Telescopium telescopium (Linn.) has been studied & compared with that of Sanguinolaria diphos Gmelin, & Macra sulcataria (Reeve).

GLK:glk

M

Tartar, V. (1958) 59-6964  
J.exp.Zool., 139:479-505  
 Specific inhibition of the oral primordium by formed oral structures in Stentor coerules

Experimental embryological examination of the formation of the oral primordium in the presence of intact organelles & of the consequences of various excisions & graftings.

FAC:glk

F

Jain, S.L. (1958) 59-6962  
J.zool.Soc.India, 10:155-64  
 New species of the genus Urocleidus Mueller, 1934, from the gill filaments of some Indian fishes

Two new spp. of the genus Urocleidus Mueller, 1934, namely U. xenentodoni & U. rhyncobdelli, recovered from Xenentodon cancila (Hamilton) & Rhyncobdella aculeata (Bloch).

GLK:glk

F

Greenfield, L. et al. (1958) 59-6965  
J.exp.Zool., 139:507-24  
 Cyclic biochemical changes in several echinoderms

Study of the classes of substances that accumulate in the gonads of urchins & starfishes, & in the latter, in the pyloric caeca as well, during an annual reproductive cycle. Composition of the perivisceral fluid was also studied; in addition to determining organic substances, amount of water present, & ash content of tissues was determined.

FAO:glk

M

Johnson, J.H. (1958) 59-6963  
Spec.sci.Rep.U.S.Fish Wildl.Serv., (267): 84 p.  
 Surface-current studies of Saginaw Bay and Lake Huron, 1956

Study of the surface currents by using drift bottles & dynamic-height method. Correlation of the direction of the currents with the direction of prevailing.

WAD:tl

F

Oliver, J.H. (n.d) 59-6966  
 23 p.  
 The hydrology of the waters of Langston Harbour

Determination of soluble phosphate, silicate, reduced iron & nitrogen in the waters & in the sands of Langston Harbour, comparison of these findings with those for the surrounding sea & correlation with meteorological phenomena. Discussion of the importance of assessing particulate ferric phosphate when making studies of inshore water nutrients.

GLK:glk

M

American Meteorological Society (1959) 59-6967  
Met. Abstr., 10(1):1-174

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on selected works of Charles Ernest Pelham Brooks, which latter is arranged as follows. Introduction; Outline of contents; Major works; Shorter articles; monographs. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

MF

King, T.A. (1957) 59-6970  
Tech. Bull. Soc. nav. Archit. mar. Engrs., (4-1):23 p.

Transoceanic routing of ships based upon meteorological forecasts

MA 10(1)82. A detailed report on a partially controlled study of speed of 27 trans-Atlantic ship crossings during Jan. 1955 - Feb. 1956, using the usual Great Circle Routes vs. using a route planned on the basis of individualized forecasts of meteorological & oceanographic conditions expected en route. Methods are described & ill.

ma

M

Langlo, K. (1957) 59-6968  
Bull. World met. Org., 6(1):10-3  
Second session of the commission for maritime meteorology

MA 10(1) 47. Summary of activities & recommendations made at the 2nd session of IMO CMM at Hamburg on Oct. 16-31, 1956.

ma

M

Moriyasu, S. (1958) 59-6971  
Mem. mar. Obs. Kobe, 12(2):1-18

Seasonal variations of water temperature and chlorinity in the upper layer (On the fluctuation of the Kuroshio south of Honshu, Pt. 2)

MA 10(1)257. Dynamical consideration is not made but diffusion equation is used to explain variation.

ma

M

Jolas, P. (1958) 59-6969  
C.R. Acad. Sci., Paris, 246:1659-61  
Sur le calcul approché de la houle irrotationnelle (Approximate calculation of the irrotational surge)

MA 10(1) 77. Explains by elementary means the Stokes formulas used for the approximate calculation of the plane, periodic, irrotational, permanent wave of small amplitude.

ma

M

Müst, G., E. Noedt 59-6972  
& E. Hagmeier (1957)  
Kieler Meeresforsch., 13(2):163-85  
Die Verteilung von Temperatur, Salzgehalt und Dichte (Distribution of temperature, salinity and density)

MA 10(1)258. Serial observations supplemented by measurements with an electrical-resistance-thermometer & carried out on the R.V. SUDFALL in July-Aug. 1956 made it possible to construct more detailed longitudinal section of temperature, salinity, & density through the Baltic, from

59-6972  
(Card 2)

Kiel Bay to the Gulf of Finland. Some insight is gained into the complicated micro-stratification of this brackish sea. Consequences for further investigations are discussed.

ma

M

American Meteorological Society (1959) 59-6976  
Met.Abstr., 10(2):175-330

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on tornado analysis and forecasting, which latter is arranged as follows: Introduction; Outline of contents; Supplementary material. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

MF

Albrecht, F.H.W. (1958) 59-6974

Geofis.pur.appl., 39:194-215

Untersuchungen über den Wärmeumsatz an der Meeresoberfläche und die Meeresströmungen im Indischen Ozean (Research on the heat exchange at the sea surface and the currents in the Indian Ocean)

MA 10(1)259. The Indian Ocean N of 35°S seems to be an isolated water mass - as to heat balance - but calculations shown in this article refute this assumption; actually the ocean loses heat, which is replaced by ocean currents in the equatorial zone during Northern Summer. The text deals with

Longuet-Higgins, H.S. (1957) 59-6977

Phil.Trans., 249A(966):321-87

Statistical analysis of a random, moving surface

MA 10(2)25. Theoretical treatise on the statistical properties of waves in the open ocean. Divided into 3 major parts: 1) Description of the surface; 2) Statistical properties; 3) A method of determining the energy spectrum & its relation to observable statistical properties.

ma

M

59-6974  
(Card 2)

theory; charting heat - radiation & cloud cover - balance; charts of heat exchange at the sea surface; the annual heat balance & sea surface temperature regime; the current system; heat exchange & sea surface temperature in the drifting water masses; & with the net heat balance. Data from the Australian radiation network were used in calculations of energy received.

ma

M

Miyake, Y. (1958) 59-6978

Ann.int.geophys.Year., 1957-58, 5(5):359

Methods for the measurements of radioactivity in sea water

MA 10(2)68. Man-made radioactive elements in sea water are co-precipitated with a small amount of iron & barium from sea water, as ferrous & sulphate respectively. Method was applied to measure the distribution of the radioactivity in the North Pacific ocean.

ma

M



Ito, N. (1958) 59-6979  
J.met.Res., 10(3):173-8  
 On the evaporation from the Japan Sea during the winter monsoon

MA 10(2)194. Calculates the differences of moistures & those of sensible heat energies in the atmospheric columns between two stations.

ma

M

Japan. Meteorological 59-6982  
 Agency (1957)  
Oceanogr.Rep., Tokyo, 6(4):253 p.

MA 10(3)71. Series of detailed oceanographic studies gives in tables, cross sections, isopleth charts & graphs, an analysis of temperature, chlorinity, plankton, current velocity, dissolved oxygen & phosphate conditions in particular areas around Japan.

ma

M

American Meteorological 59-6980  
 Society (1959)  
Met.Abstr., 10(3):331-498

Contains annotated current references arranged by subject, & incl. selective annotated bibliography of recent literature on soil moisture, which latter is arranged as follows: Introduction; List of items previously published in MAB on soil moisture; Subject outline; Supplementary material. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

MF

American Meteorological 59-6983  
 Agency (1959)  
Met.Abstr., 10(4):499-661

Contains annotated current references arranged by subject, & incl. selective annotated bibliography on thunderstorm sferics (supplement), which latter is arranged as follows: Outline of contents; Supplementary material. List of relevant journals; author, geographical & subject indexes.

FAO:sjh

MF

Deutsches Hydrographisches 59-6981  
 Institut (1958)  
Hamburg, 758 p.

Nordsee-Handbuch östlicher Teil von Hanstholm bis Terschelling (Handbook of the North Sea, eastern section from Hanstholm to Terschelling)

MA 10(3)27. The 12th edition of this standard "Coast Pilot" for the eastern part of the south coast of the North Sea contains revised material from the Dutch, Danish & German coastal survey charts. German Hydrographic Institute is described.

ma

II

Zakharov, L.A. & 59-6984  
 Iu.V. Istoshin (1957)  
Met.Gidrol., (1):60-1  
Vtoraia sessiia Komissii morskoi meteorologii Vsemirnoi meteorologicheskoi organizatsii (Second session of the Commission on Maritime Meteorology of the World Meteorological Organization)

MA 10(4)30. Questions discussed & resolutions adopted are summarized. These incl. an album of illustrations & abbreviations of ice nomenclature; the formulation of an ice code; questions dealing with the measurement of sea

59-6984  
(Card 2)

surface temperature, observation & reporting of visibility at sea, aerological observations from commercial vessels, increase in the number of vessels & personnel engaged in hydro-meteorological observations, preparation of marine climatological atlases.

ma

M

Kitaigorodskii, S.A. (1957) 59-6988  
Bull.Acad.Sci.U.R.S.S.(Geof.), (9):  
1118-32

O koeffitsiente vertikal'nogo turbulentnogo obmena v more  
(Coefficient of the vertical turbulent exchange in the sea)

MA 10(4)70. The dynamical results of the application of a "semi-empirical" theory of turbulence to dynamic processes in the sea are examined. A simplified method for calculating the coefficient of turbulent exchange produced by the simultaneous action of wind waves & currents is used.

ma

M

Mamaev, O.I. (1957) 59-6986  
Bull.All-Un.geogr.Soc., 89(3):255-9  
N.N. Miklukho-Maklaï kak okeanograf  
(N.N. Miklukho-Maklaï as an oceanographer)

MA 10(4)60. The various oceanographic observations made of water temperature in the Pacific, near the western coasts of South America, near New Guinea, etc. are described. His oceanographic writings are cited.

ma

M

Sugiura, J. (1958) 59-6989  
J.met.Res., Tokyo, 10(7):549-53  
On the sea conditions in the Okhotsk sea

MA 10(4)72. Seasonal variations of the temperature, the chlorinity & the current velocity in the Soya warm current area & the Okhotsk cold water area were studied, based on 15 sets of oceanographic data taken in the period between 1948 & 1957.

ma

M

Sirén, A. (1957) 59-6987  
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MA 10(4)186. Summary report on surges during the period 1900 through 1957.

ma

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MA 10(4)196. An analysis of wave & swell conditions in 6 recent hurricanes - "Hazel", 1954; "Connie", "Diane" & "Janet", 1955; "Betsy" 1956 & the Gulf hurricane of 1950. Composite charts of wave height, direction & period are given for different stages of each storm & composite wind chart for "Connie" & "Diane".

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FAO:sjh

MF

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ma

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FAO:ac

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FAO:sjh

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The deep range

A novel dealing with future possibilities of plankton "farming" & "herding" marine animals.

:sjh

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FAO:

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FAO:

M

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FAO:glk

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Investigation of the population  
structure of the stocks of skipjack  
inhabiting the eastern tropical  
Pacific fishing region, & of their  
relations with the stocks of other  
fishing areas in the central Pacific.  
Based on analysis of samples of  
morphometrical data collected from  
several areas within the eastern

Sathyanesan, A.G. (1959) 59-6999  
Curr.Sci., 28:247-8  
On the structural and functional  
differences between the anterior and  
posterior testis in the catfish, Mystus  
seenghala (Sykes)

Histological note relating to seasonal  
changes of the gonad.

FAO glk

F

59-7001  
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Pacific, & the Hawaiian & Society-  
Marquesas island areas.

GLK:rch

M

IPFC (1957) 59-7003  
IPFC 7th Sess. Pap. (mimeo), IPFC/357/  
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 Report on the symposium on fish  
 culture in rice fields

FiB: F

Mitra, G.N. (1957) 59-7006  
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 its role in rural economy in Orissa

FiB: F

Ardiwinata, D.C. (1957) 59-7004  
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 Indonesia

FiB: F

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SYM. 5  
 Observations on the culture of  
 brackishwater fishes in paddy fields  
 in West Bengal (India)

FiB: MF

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FiB: F

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 preliminary review and annotated  
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FiB: MF

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IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
SYM. 7  
 Quelques essais de rizipisciculture au  
 Sud-Viêt-Nam (Some trials of rice  
 fish-culture in South Vietnam).

FiB:

F

Hayashi, S. (1957) 59-7012  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 6  
 A review on age determination of the  
 Pacific tunas

FiB:

H

Otsu, T. & 59-7010  
 R.N. Uchida (1957)  
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TECH 2  
 Age determination of albacore by the  
 vertebral method

FiB:

M

Ronquillo, I.A. & 59-7013  
 A. de Jesus (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 8  
 Notes on growing of lab-lab in Bangos  
 nursery ponds

FiB:

MF

Kobayashi, S. & 59-7011  
 H. Hirata (1957)  
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TECH 4  
 How should the time of food-supply be  
 controlled in fish-culture?

FiB:

F

Ronquillo, I.A. & 59-7014  
 E. Villamater (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 10  
 Observations on artificial feeding of  
 bangos fry, Chanos chanos (Forsk.)

FiB:

MF



Sulit, J.I., R.S. Esguerra 59-7015  
& H.R. Rabanal (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 12  
Fertilization of bangos nursery ponds  
with commercial chemical fertilizer

FiB:

MF

Vaas, A. & 59-7018  
van Oven (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 14  
On the use of marygold (Tithonia  
diversifolia Gray) as green manure in  
Indonesian carp ponds

FiB:

F

Vaas, K.F. (1957) 59-7016  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 13 - I  
Studies on food and feeding habits of  
the common carp in Indonesian ponds -  
I) Changes in the diet during growth

FiB:

F

Vaas, A. & 59-7019  
van Oven (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 15  
Experiments on different stocking rates  
of the common carp (Cyprinus carpio L.)  
in nursing ponds

FiB:

F

Vaas, K.F. (1957) 59-7017  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 13 - II  
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II) The food of the common carp in  
ponds in various circumstances

FiB:

F

Soeseno, R.S. (1957) 59-7020  
IPFC 7th Sess.Pap.(mimeo), IPFC/657/  
TECH 16  
Some notes on a tendipedide larva of  
the plumosus-type from Java

FiB:

F

Djajadiredja, R.R. (1957) 59-7021  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 17

A preliminary report of the  
introduction of the Philippine type  
nursery in Indonesia

FiB:

MF

Yamanaka, H. (1957) 59-7024  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 22

On the currents in the Solomon seas  
from the drift of tuna long-lines  
between June and August in the years  
1952 and 1953

FiB:

M

Rabanal, H.R. & 59-7022  
L.V. Hosillos (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 20

Control of less desirable exotic  
species of fish competing with or  
harmful to desirable indigenous  
species in inland waters in the  
Philippines

FiB:

F

Ueyanagi, S. (1957) 59-7025  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 24

On the young of the black marlin,  
Eumakaira nigra Nakamura

FiB:

M

Horma, M. & 59-7023  
T. Kamimura (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 21

Studies on the albacore - V. The  
fishing condition and size of albacore  
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FiB:

M

Mimura, K. (1957) 59-7026  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/

TECH 25

Length frequencies of big-eye tuna  
caught from the Indo-Australian  
Archipelago area

FiB:

M

Kikawa, S. (1957) 59-7027  
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TECH 26

The concentrated spawning areas of the  
big-eye tuna in the Western Pacific

FiB:

M

Motoda, S. (1957) 59-7030  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 33

Experiments on the quantitative  
assessment of zooplankton by net haul

FiB:

M

Yabuta, Y. & 59-7020  
M. Yukinawa (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 28

The growth and age of yellowfin tuna

FiB:

M

Sarojini, K.K. (1957) 59-7031  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 53

Observations on the occurrence,  
collection, acclimatization, transport  
and survival of mullet seet in West  
Bengal (India)

FiB:

MF

Kawamoto, N.Y. (1957) 59-7029  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
TECH 29

A consideration on the productivity  
in the intensive carp culture

FiB:

F

de Zylva, E.R.A. (1957) 59-7032  
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TECH 57

The gouramy in Ceylon

FiB:

F



Chiu, B.T. (1957) 59-7033  
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TECH 58

Seaweeds of economic importance in  
Hong Kong

Tester, A.L. (1957) 59-7036  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/  
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A summary of the 1955-56 research  
program of the Pacific Oceanic  
Fishery Investigations, Honolulu, T.H.

FiB: M

FiB: M

Fish, G.R. (1957) 59-7034  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/  
TECH 63

The fish culture research station  
(Batu Berendam, Malacca, Federation  
of Malaya)

IPFC (1957) 59-7037  
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WP 6

Report of special sub-committee on  
"tuna catch statistics chart"

FiB: MF

FiB: M

Rapson, A.M. (1957) 59-7035  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/  
TECH 64

Coastal and highland fresh water  
fishery problems of Papua and New  
Guinea

Saanin, H. (1957) 59-7038  
IPFC 7th Sess.Pap.(mimeo), IPFC/57/  
WP 8

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Commission 5th session, Calcutta,  
India, 12-19 November 1956

FiB: F

FiB: F

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IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
WP 9  
Synopsis of data on Hilsa - Hilsa  
ilisha (Hamilton-Buchanan) 1822

IPFC (1957) 59-7042  
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Indo-Pacific fisheries year

FiB:

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FAO. Fisheries Division 59-7040  
Biology Branch (1957)  
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WP 15  
A note on recent developments in the  
study of the dynamics of exploited  
fish populations

IPFC (1957) 59-7043  
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WP 23  
Rastrelliger investigations

FiB:

MF

FiB:

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FAO. Fisheries 59-7041  
Division (1957)  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
WP 19  
Methods and equipment for research  
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improvement and standardisation

Banerjee, S.M. (1957) 59-7044  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
WP 26  
Note on soil composition in relation  
to productivity of fish ponds

FiB:

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FiB:

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U.S. Fish & Wildlife Service (1957) 59-7045  
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WP 30  
Commercial production of fish on rice lands

FiB:

F

Kuronuma, K. (1957) 59-7048  
IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
WP 35  
Report of Technical Committee I

FiB:

MF

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IPFC 7th Sess.Pap.(mimeo), IPFC/C57/  
WP 31  
Statement relevant to the problem of the basic productivity of the ocean

FiB:

M

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WP 36  
Report of the Technical Committee II (Panels A, B and C)

FiB:

MF

Nakai, Z. (1957) 59-7047  
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Report on the standardisation of plankton collecting

FiB:

M

Bardach, J.E. (1959) 59-7050  
Usom/Cambodia, 55 p.  
Report on fisheries in Cambodia

Account of the hydrological features of the Mekong River, Cambodian Great Lakes & associated waters; faunal list; account of fishing methods; spawning locations, migrations & food of some of the important spp. of fish; the industry & its administration.

DBF:glk

F



Ohlmer, W. & 59-7051  
 J. Schwartzkopff (1959)  
Naturwissenschaften, 46:362-3  
Schwimgeschwindigkeiten von Fischen  
 aus stehenden Binnengewässern  
 (Swimming-velocity of fishes in  
 standing inland waters)

See 59-

FAO

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Anonymous (1959) 59-7054  
New Scient., 6:284  
 Economical fish finding

Note on the production of a 12 or 24  
 volt battery operated portable echo-  
 sounder.

FAO:sjh

MF

Anonymous (1959) 59-7052  
New Scient., 6:300  
 Fish speeds

Note referring to 59-a0051, &  
 tabulating swimming speed observations  
 on Scardinius erythrophthalmus, Rutilus  
rutilus, Perca fluviatilis, Abramis  
brama swimming singly & in schools,  
 in still water & in currents. Effect  
 of fish size on swimming speed. Data  
 also for Esox lucius & Lucioperca.

FAO:sjh

F

India. Zoological 59-7055  
 Society (1958)  
Bull.zool.Soc.India, (2):39 p.  
 Application of zoological knowledge  
 to national advancement

Contains the following brief  
 contributions of interest to fisheries:  
 "Fisheries research and development" by  
 B.S. Bhimachar; "Place of ichthyology  
 in teaching and research in India", by  
 M. Chandy; "Destruction of timber by  
 marine organism", by D.V. Bal;  
 "Plankton and fisheries off Waltair  
 Coast", by P.N. Ganapati; "Hormones  
 and the spawning of carps", by L.S.

Tucker, M.J. (1959) 59-7053  
New Scient., 6:275-7  
 An introduction to oceanography - 3.  
 The study of sea waves

Ill. article on wave motion; methods  
 of study, results, interpretation,  
 application, prediction.

FAO:sjh

M

59-7055  
 (Card 2)  
 Ramaswami; & "Teaching of fishery  
 science in Indian universities", by  
 M.L. Bhatia & H.L. Sarkar.

GLK:glk

MF

Lerner, I.M. (1958) 59-7057  
New York, J. Wiley & Sons, Inc., 298 p.  
The genetic basis of selection

GLM

De Villafranca, G.W., T.S. 59-7060  
Scheinblum & D.E. Philpott (1959)  
Biochim.biophys.Acta, 34(1):147-57  
A study on the localization of  
contractile proteins in the muscle of  
the horseshoe crab (Limulus polyphemus)

Fibrils of the cross-striated skeletal  
muscle of this crab were glycerinated,  
blended & washed & extracted with  
solutions of high KCl concentrations  
containing pyrophosphate or ATP, & the  
identity of the removed protein  
established.

FAO:glk

Piez, K.A. & 59-7058  
J. Gross (1959)  
Biochim.biophys.Acta, 34(1):24-39  
The amino acid composition and  
morphology of some invertebrate and  
vertebrate collagens

The complete amino acid analysis of  
collagens from a mammal - steer hide -,  
an elasmobranch - shark elastoidin -,  
an echinoderm - Thyone body wall -,  
2 coelenterates - Metridium body wall  
& Physalia float -, & 2 structurally  
distinct collagens from the sponge are  
presented along with a description of  
some morphological characteristics of

Vogel, H.J. (1959) 59-7061  
Biochim.biophys.Acta, 282:3  
Lysine biosynthesis in Chlorella and  
Euglena: phylogenetic significance

Comparison of the labelling patterns  
of Chlorella vulgaris & Euglena  
gracilis with those of Bacillus  
subtilis & Candida utilis to test the  
view that biosynthetic pathways are  
characters of particular phylogenetic  
significance.

FAO:glk

F

59-7058  
(Card 2)  
the tissues from which they were  
derived.

FAO:kap

M

Rato, J.M. (1959) 59-7062  
S.Afr.J.Sci., 55:161-2  
The Marine Biological Station of Inhaca

Short account of history of this  
island laboratory off Mozambique;  
staff, visitors, finances, library.

FAO:sjh

M

Kalk, M. (1959) 59-7063  
S.Afr.J.Sci., 55:178-80  
 The zoogeographical composition of the  
 intertidal fauna at Inhaca Island,  
 Mozambique

A short review of knowledge, with  
 bibliography on marine zoology of  
 this island off Mozambique.

the various phyla & classes  
 represented in the marine fauna are  
 considered. Keys are incl., in  
 particular for the classification of  
 the corals, the polychaetes & the  
 crustacea. Sp. lists of plants &  
 animals, & their localities on the  
 island.

59-7065  
 (Card 2)

FAO:sjh

II

:vmm

M

Isaac, W.E. (1959) 59-7064  
S.Afr.J.Sci., 55:181-3  
 Comments on the seaweed flora and  
 vegetation of Inhaca

A short review, with reference to  
 distribution of the benthic algae,  
 marine angiosperms - Cymodocea,  
Diplanthera, Halophila, Thalassia -  
 & of the 19 genera of siphonous  
 Chlorophyceae. Relation to flora of  
 U. South Africa & to distribution of  
 oyster, Crassostrea cucullata.

FAO:sjh

M

Miyata, K. & 59-7067  
 T. Shimomura (1959)  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
 1-16

(On the transfers of low temperature  
 regions in the North Japan Sea, in  
 spring). Ni En

Analysis of yearly & seasonal changes  
 in sea conditions in the Japan Sea  
 north of Noto Peninsula.

FAO:glk

M

Macnane, W. & 59-7065  
 M. Kalk (Ed.) (1958)  
Johannesburg, Witwatersrand Univ. Press.  
 146 p.  
 A natural history of Inhaca Island,  
 Mocambique

Various chapters written by different  
 authors; a detailed account of the  
 biology of Inhaca, in Delagoa Bay.  
 Geographic & oceanographic setting of  
 the island. Chapters on algae & their  
 ecology, with a comprehensive list of  
 known types & localities. The "sea  
 grasses"; marine zoology; account of  
 the general ecology of the shores;

Fukataki, H. (1959) 59-7068  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
 17-42  
 (On the year round occurrence and  
 ecology of eggs and larvae of the  
 principal fishes in the Japan Sea - II.  
 Occurrence and distribution of eggs  
 and larvae of the saury in the  
 Tsushima Current region). Ni En

Eggs & larvae of fishes have been  
 collected by means of horizontal  
 towing of the fish-larvae net at the  
 surface, from April 1952 to March 1958  
 on the Tsushima Current region, at  
 8,366 stations in the active period.



59-7068  
(Card 2)

Using these materials, the spawning seasons & grounds of the saury, Cololabis saira Brevoort, are described.

FAO:hf

M

Kato, A. &

59-7072

T. Shimomura (1959)

Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
67-83

(Some characteristics on the D.S.L. peculiar to the Japan Sea).

Ni En

Report of observations in 1956 & 1957, describing the peculiar figure seen & comparing the performance of various types of echo-sounders.

FAO:glk

M

Nagata, S. (1959) 59-7070  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
43-55

(Some results of the tagging experiments on yellowtails in the Japan Sea). Ni En

Study of the migration of the yellow-tail, Seriola quinqueradiata Temminck et Schlegel, in the Japan Sea using the data of the taggings during the period from 1955 to 1958.

FAO:sn

M

Shimomura, T. (1959) 59-7073  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
85-107

(On the unprecedented flourishing of "echizen-kurage", Stomolophus nomurai (Kishinouye), in the Tsushima warm current regions in autumn, 1958).

Ni En

Account of the growth of this medusa, the distribution of its swarms, size & other characteristics of the individuals, & the relations between appearance of these swarms & various environmental conditions, & fishing.

FAO:glk

M

Hachinaka, S. (1959) 59-7071  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
57-66

(Migration of the squid in the Japan Sea as studied by tagging experiments). Ni En

Study of the migration of the squid, Ommastresphes sloani pacificus Steenstrup, in the Japan Sea using the data of taggings in the region during the period from 1950 to 1957.

FAO:sm

M

Shimomura, T. (1959) 59-7074  
Bull.Jap.Sea reg.Fish.Res.Lab., (7):  
109-18

(Effects of the typhoon "Ruth" (1951) upon the sea conditions and fishing). Ni En

Description of the track of the typhoon, of the associated sea-conditions & of changes in fishing apparently resulting from the effects of the typhoon.

FAO:glk

M

Donaldson, L.R., P.R. Olson 59-7075  
& J.R. Donaldson (1959)  
Trans.Amer.Fish.Soc., 88(1):1-6  
The Fern Lake trace mineral metabolism  
program

Total mineral need in the ecology of  
the Fern Lake watershed is evaluated  
by use of the techniques of the  
radiation biologist. Using the combined  
skills of the physical & biological  
sciences it is hoped that great progress  
can be made in improving the productive  
capacity of this impoverished watershed.

GLK:lrd

F

Carlander, K.D. (1959) 59-7078  
Trans.Amer.Fish.Soc., 88(1):18-22  
A survey of technical fishery  
personnel

Report of a mail survey, classifying  
these people by jobs, employers,  
academic training, age, membership in  
the AFS, & geographic distribution;  
some account is given of the kinds of  
work - administration, research, etc. -  
carried out by persons in various types  
of jobs.

GLK:glk

MF

Lambou, V.W. (1959) 59-7076  
Trans.Amer.Fish.Soc., 88(1):7-15  
Fish populations of backwater lakes in  
Louisiana

Report of sampling of these populations  
by rotenone poisoning, composition of  
the populations, standing crops,  
predator-prey relations, & the effects  
of flood overflow on these populations.

GLK:glk

MF

Henderson, C., Q.H.Pickering 59-7079  
& C.M. Tarzwell (1959)  
Trans.Amer.Fish.Soc., 88(1):23-32  
Relative toxicity of ten chlorinated  
hydrocarbon insecticides to four  
species of fish

Compounds tested & bioassay methods  
described. toxicity to Lebistes,  
Pimephales, Lepomis, Carassius spp. in  
different dilution waters, & of  
different formulations was tested;  
comparison was made with organic  
phosphorous insecticides, & estimate  
was made of application rates that  
may produce fish mortality.

GLK:glk

F

Swingle, H.S. (1959) 59-7077  
Trans.Amer.Fish.Soc., 88(1):16-7  
Careers in fisheries

Presidential address at the 88th  
annual meeting of the American  
Fisheries Society at Philadelphia,  
Pennsylvania, September 8, 1959.

GLK:hss

MF

Witt, A., Jr. & 59-7080  
S. Campbell (1959)  
Trans.Amer.Fish.Soc., 88(1):33-5  
Refinements of equipment and  
procedures in electro-fishing

An electro-fishing device mounted on a  
boat is described, difference in  
efficiency between day & night use is  
described; its selectivity among spp.  
of fish is described.

GLK:glk

F

Crossman, E.J. & 59-7081

P.A. Larkin (1959)

Trans.Amer.Fish.Soc., 88(1):36-44  
Yearling liberations and change of  
food as effecting rainbow trout yield  
in Paul Lake, British Columbia

Some effects of the introduction of  
redside shiner, Richardsonius balteatus  
Richardson, on the rainbow trout,  
Salmo gairdneri Richardson, in Paul  
Lake from 1952 to 1957 are considered  
together with results of yearling trout  
liberations since 1953.

GLK:ejc

F

Riggs, C.D. &

59-7084

K.E. Sneed (1959)

Trans.Amer.Fish.Soc., 88(1):53-7  
The effects of controlled spawning  
and genetic selection on the fish  
culture of the future

The role of controlled spawning,  
genetic selection & physiological  
research in fish culture is discussed,  
& emphasis is placed on the importance  
of these approaches for the future.  
A review of the literature is given.

GLK:cdt

F

Dolan, T., C.B. Wurtz 59-7082

& C.H. Bridges (1959)

Trans.Amer.Fish.Soc., 88(1):45-9  
Survey of multiple-use reservoir  
practices in the United States

Report of replies to questionnaires,  
describing municipal practices in  
permitting & controlling recreational  
& other use of these reservoirs.

GLK:glk

F

Seymour, A. (1959) 59-7085

Trans.Amer.Fish.Soc., 88(1):58-69

Effects of temperature upon the  
formation of vertebrae and fin rays  
in young chinook salmon

Experiments in each of 3 successive  
years were designed to observe the  
effect of temperature upon chinook  
salmon, Oncorhynchus tshawytsch  
Walbaum, during the period from the  
egg to the fingerling stage.  
Experimental temperatures ranged from  
34°F to 74°F but there were no  
survivals to the stage where vertebrae  
or fin rays could be counted for lots

Houser, A. & 59-7083

M.C. Bross (1959)

Trans.Amer.Fish.Soc., 88(1):50-2  
Observations on growth and  
reproduction of the paddlefish

Growth of Polyodon spathula & the  
periodicity of its sexual maturation.

GLK:glk

F

59-7085  
(Card 2)

reared at temperatures below 39°F  
or above 62°F.

GLK:as

F



Bailey, R.M. (1959) 59-7087  
Trans.Amer.Fish.Soc., 88(1):70  
How to know the freshwater fishes  
Review of 581010.

Hoopes, D.T. (1959) 59-7090  
Trans.Amer.Fish.Soc., 88(1):73  
Dolly Varden trout with two adipose  
fins  
Report of this anomaly in Salvelinus  
malma.

GLK:

F

GLK:ll

F

Whitney, A.N. & 59-7088  
J.E. Bailey (1959)  
Trans.Amer.Fish.Soc., 88(1):72-3  
Detrimental effects of highway  
construction on a Montana stream  
Contents as per title.

Woodall, A.N. (1959) 59-7091  
Progr.Fish-Cult., 21:51-4  
The missing links of fish husbandry  
Discussion of basic research required,  
especially into nutrition & disease,  
& of the need for pilot-plant &  
quality-control programmes.

GLK:glk

F

GLK:glk

F

Dickie, L.M. (1959) 59-7089  
Trans.Amer.Fish.Soc., 88(1):73  
Water temperature and survival of  
giant scallop  
Effects of water temperature on  
spawning & adult survival appear to  
control abundance of the giant scallop,  
Placopecten magellanicus Gmelin, in the  
Gulf of St. Lawrence & to limit its  
distribution there to a narrow depth  
zone. Such effects probably explain the  
limits of scallop distribution &  
success throughout its geographic range.

Campbell, H.J. (1959) 59-7092  
Progr.Fish-Cult., 21:55-62  
Field testing rotary fish screens in  
Northeastern Oregon

More than 200 rotary fish screens have  
been installed in diversions in North-  
Eastern Oregon to bypass salmon &  
steelhead fingerlings back into  
streams. Over a 5-year period, screens  
were sampled continuously to determine  
their effectiveness in bypassing  
migrant fishes.

GLK:lmd

M

GLK:hjc

F

Regan, D. & 59-7093  
A. Yaple (1959)  
Progr.Fish-Cult., 21:62  
Bypass to eliminate accumulated waste  
when draining earthen ponds  
  
Diagram & description.

GLK:glk

F

Dunbar, C.E. (1959) 59-7096  
Progr.Fish-Cult., 21:74  
Sunburn in fingerling rainbow trout  
  
Brief note on tests in which rainbow  
trout fingerlings were exposed to  
sunlamps & germicidal lamps.

GLK:glk

F

Combs, B.D., R.E. Burrows 59-7094  
& R.G. Bigej (1959)  
Progr.Fish-Cult., 21:63-9  
The effect of controlled light on the  
maturation of adult blueback salmon

Results of the 3-year study to  
determine the effect of controlled  
light on the sexual maturation of  
adult blueback salmon, Oncorhynchus  
nerka.

GLK:glk

MF

Snow, J.R. (1959) 59-7097  
Progr.Fish-Cult., 21:75-80  
Notes on the propagation of the  
flathead catfish, Pilodictis olivaris  
(Rafinesque)

Description of spawning & of  
development of the eggs with  
suggestions for culture of this sp.

GLK:glk

F

Hulsey, A.H. & 59-7095  
J. Stevenson (1959)  
Progr.Fish-Cult., 21:70-4  
Reclamation of Lake Hamilton,  
Arkansas

Description of a fish-kill operation.

GLK:glk

F

Sneed, K.E. & 59-7098  
C.E. Cozort (1959)  
Progr.Fish-Cult., 21:80  
An inexpensive experimental spiral  
raceway

Description & photograph.

GLK:glk

F

Macklin, R. (1959) 59-7099  
Progr. Fish-Cult., 21:81-5  
An improved 150-gallon fish-planting  
tank

Description, diagram & photographs,  
& report of tests of it.

Irwin, W.H. (1959) 59-7102  
Progr. Fish-Cult., 21:89-90  
Terramycin as a control for fin rot  
in fishes

Brief report of experiments with  
Hybognathus, Cambusia affinis,  
Plecophales promelas.

Anonymous (1959) 59-7100  
Progr. Fish-Cult., 21:85  
National Science Foundation's closing  
date for receipt of basic research  
proposals in the life sciences

Heiliger, D.B. (1959) 59-7103  
Progr. Fish-Cult., 21:90  
Artificially fed largemouth bass  
fingerlings

Contents as per title.

GLK:x

GLK:glk

F

Nielson, W.E. & 59-7101  
J.J. Mazuranich (1959)  
Progr. Fish-Cult., 21:86-8  
Fry diets for chinook salmon

Results obtained with 7 different  
diets used as starting diets for  
chinook salmon fry.

GLK:wen

MF

Chin, E. (1959) 59-7104  
Progr. Fish-Cult., 21:91-3  
An inexpensive re-circulating sea-  
water system

Description & diagram.

GLK:glk

M



Anonymous (1959) 59-7105  
Progr.Fish-Cult., 21:93  
Trout-distribution map of the North  
Island of New Zealand

GLK:x

Thompson, R.B. (1959) 59-7108  
Progr.Fish-Cult., 21:96  
Tricaine methanesulfonate (M.S. 222)  
in transport of cutthroat trout

Report of a trial.

GLK:ll

F

Dobie, J. (1959) 59-7106  
Progr.Fish-Cult., 21:94-5  
Pond research and bait production in  
Minnesota

Note on industrial operations  
initiated & assisted by research.

GLK:glk

F

Yokote, M. (1958) 59-7109  
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(2)

1-7

Study on the ovarian eggs of Rhodeus  
ocellatus

Presents macroscopical observations  
on ovarian eggs in attempt to clarify  
how eggs of this sp. change morpho-  
logically to ripeness, & what process  
ripened eggs trace until extrusion  
within one sexual cycle.

FiB:wcb

F

Powell, D.E. (1959) 59-7107  
Progr.Fish-Cult., 21:95-6  
New shrimp fishery of the Pacific  
Northwest

Note on the development of this  
fishery as the result of systematic  
exploratory fishing.

GLK:glk

M

Suginome, M. (1958) 59-7110  
Bull.Freshw.Fish.Res.Lab., Tokyo, 7(2)

9-17

(Observation on the spawning of  
Daphnia garinata King carrying the  
origin of parthenogenetic eggs after  
winter egg laying). Ni En

Continues study on process of  
spawning.

FiB:wcb

F

Nakamura, K. et al. (1958) 59-7111  
Bull. Freshw. Fish. Res. Lab., Tokyo, 7(2):19-44  
 (An experiment of raising carp  
 fingerling in farm pond, study in  
 Gorobeioike). Ni En

Experiment in raising carp to  
 fingerlings in 4-hectare farm pond,  
 with information on stocking rate,  
 hydrology, growth rates, feeding etc.

FiB:wcb

F

Herald, E.S. & 59-7114  
 R.P. Dempster (1957)  
Aquarium J., 28(10):2 p.  
 Courting activity in the white-lined  
 squirrel fish

Ill. description of breeding activity  
 of Holocentrus xantherythrus.

FiB:wcb

M

Kimura, S. & 59-7112  
 Y. Matida (1958)  
Bull. Freshw. Fish. Res. Lab., Tokyo, 7(2):51-3  
 Study on the toxicity of agricultural  
 control chemicals in relation to  
 freshwater fisheries management - No. 1.  
 General summary of the studies on the  
 toxicity of agricultural insecticides  
 for freshwater fishes by means of the  
 bio-assay method (Part I)

Summarizes toxicity of 11 insecticides  
 to Cyprinus carpio, Carassius  
carassius-cuvieri, Salmo iridus,  
Misgurnus anguillicaudatus.

FiB:wcb

F

Okada, Y. & 59-7115  
 S.S. Kubota (1957)  
Rep. Fac. Fish. Univ. Mie-Tsu, 2(3) 451-2  
 Studies on the fish fauna at the  
 southern vicinity of Tsu City, Mie  
 Prefecture - Supplemental Note - I.

Notes on specimens of Liza haemato-  
cheila & Eleotris pisonis oxycephala;  
 extensions of range of Konosirus,  
Acheilognathus & Shiganus spp.

FiB:sjh

MF

Hartman, W.L. (1958) 59-7113  
N.Y. Fish Game J., 5(2):205-12  
 Estimation of catch and related  
 statistics of the stream rainbow trout  
 fishery of the Finger Lakes region

Contents as per title.

WAD:wcb

F

Chanin, G. & 59-7116  
 R.P. Dempster (1958)  
Industr. Wastes, Nov.-Dec., 4 p.  
 A complex chemical waste and its  
 toxicity to fish

Exploitation study of toxicity to  
 juvenile Roccus saxatilis of waste  
 from a chemical industry in an  
 attempt to explain mass fish mortality  
 in San Francisco Bay.

FiB:sjh

M

Walker, F.T. (1957) 59-7117  
Trans.bot.Soc.Edinb., 37(3):182-99  
 An ecological study of the Laminariaceae  
 of Ailsa Craig, Holy Island,  
 Inchmarnock, May Island, and Seaforth  
 Island

Density cover & biomass of Laminaria  
 spp. by depth of water & locality  
 determined by quadrats during 1955-56.

GLK:sjh

M

Wheeler, A.C. (1958) 59-7120  
Proc.zool.Soc.Lond., 130:253-6  
 The identity of the British fish  
Parviclinus spinosus

Re-examination of holotype of this  
 clinid fish from Conway River, N.  
 Wales - found lodged in oesophagus of  
Spinachia spinachia -; author  
 considers it identical with the  
 Caribbean Stathmonotus (Auchenistius)  
stahli. Suggests **accidental**  
 introduction by a passing ship.

FAO:sjh

F

U.S. Department of the 59-7118  
 Interior. Fish & Wildlife  
 Service (1957)  
Rep.Branch of Fishery Biology, 161 p.  
 Annual report for fiscal year 1957  
 (July 1, 1956 through June 30, 1957)

Last issue. Reports research  
 activities under main headings: Inland  
 Marine. Anadromous. Shell-fisheries,  
 under each division by particular  
 investigations. Lists publications &  
 names of research personnel.

FiB:sjh

MF

Bone, Q. (1958) 59-7121  
Proc.zool.Soc.Lond., 130:289-93  
 The asymmetry of the larval amphioxus

Consideration of mode of feeding  
 & mouth structure.

FAO:sjh

M

Bonner, W.N. (1958) 59-7119  
Proc.zool.Soc.Lond., 130:241-52  
 Notes on the southern fur seal in  
 South Georgia

Ill. description of habitat,  
 distribution, reproductive & family  
 behaviour, population size, colour,  
 food of Arctocephalus australis in  
 Antarctic; inter-specific relations  
 with Mirounga leonina, Hydrurga  
leptonyx & scavenging birds.

FAO:sjh

M

Lowman, F.G., R.F. Palumbo 59-7122  
 & D.J. South (1957)  
Washington, D.C., 61 p.

The occurrence and distribution of  
 radioactive non-fission products in  
 plants and animals of the Pacific  
 Proving Ground

Contains also data on the occurrence  
 of radioactive products in different  
 organs of marine animals & plants.  
 Gamma spectrum curves are given.

FAO:tl

M



Stoianov, S. (1957) 59-7123  
Trav.sci.Inst.Pêche, Varna, 1:7-28  
 Niakoi nabliudeniia vurkhu palamuda,  
 loven prez 1954 i 1955 g. pred  
 bulgarskiia chernomorski briag  
 (Some observations on the pelamid,  
Sarda sarda Bloch, fished during 1954  
 and 1955 off the Bulgarian coast).  
 Fr Ru

Some notes on the biology & behaviour  
 of schools of pelamid, giving size  
 composition of the schools, growth,  
 movements.

GLK:glk

M

Karapetkova, M. (1957) 59-7126  
Trav.sci.Inst.Pêche, Varna, 1:55-8  
 Rastezh na segoletkite na  
 chernomorskiia kalkan (Rhombus  
maeoticus Pallas) prez 1956 godina  
 (Growth of the early stages of turbot,  
R. maeoticus Pallas, in the year 1956).  
 En Ru

Growth rate determined from  
 otoliths.

GLK:glk

M

Ivanov, L.S. (1957) 59-7124  
Trav.sci.Inst.Pêche, Varna, 1:31-43  
 Teoretichesko izchisliavane na  
 otseliavaneto ot stadiia khaiver do  
 vuzrastna skumpiia (Theoretical  
 calculation of the survival from egg  
 stage to adult in scombroids). Ru

GLK:

MF

Aleksandrova, K. (1957) 59-7127  
Trav.sci.Inst.Pêche, Varna, 1:61-76  
 Rastezhut na kefala (Mugil cephalus L.)  
 vuv vodite na bulgarskoto chernomorsko  
 kraibrezhie (The growth of the  
 grey mullet, Mugil cephalus L., of the  
 Bulgarian Black Sea shores).  
 En Ru

Growth determination by scales.

GLK:glk

MF

Martino, K. & 59-7125  
 M. Karapetkova (1957)  
Trav.sci.Inst.Pêche, Varna, 1:45-52  
 Razpredelenie na kalkana prez purvite  
 mesetsi na 1955 godina (The  
 distribution of turbot during the first  
 months of the year 1955). En Ru

Results of trawling operations  
 relating to the distribution & density  
 of these stocks, with calculation of  
 the weight of the entire stock.

GLK:glk

M

Rusev, B. & 59-7128  
 Iv. Dimov (1957)  
Trav.sci.Inst.Pêche, Varna, 1:79-109  
 Kachestveni i kolichestveni  
 izsledvaniia na zooplanktona na  
 varnenskiia zaliv (Qualitative  
 and quantitative research on the zoo-  
 plankton of Varna Bight). Ru De

Spp. & groups in the plankton & their  
 distribution.

GLK:glk

M

Petrova, V.I. (1957) 59-7129  
Trav.sci.Inst.Pêche, Varna, 1:111-24  
 Planktonni dinoflagellata ot  
 bulgarskoto chernomorsko kraibrezhie  
 (Planktonic dinoflagellates off the  
 Bulgarian Black Sea coast). Ru De

Distribution list.

GLK:glk

M

Rozhdestvenski, A.V. (1957) 59-7132  
Trav.sci.Inst.Pêche, Varna, 1:201-4  
 Sezonnite promeni na količestvoto na  
 organichното veshchestvo v otkritite  
 chernomorski vodi pred bulgarskii  
 briag (Seasonal fluctuation in the  
 amount of organic material in the  
 open Black Sea waters off the  
 Bulgarian coast). Ru

Discussion of tables of values  
 obtained for March, May, August &  
 November.

GLK:glk

M

Rusev, B. (1957) 59-7130  
Trav.sci.Inst.Pêche, Varna, 1:127-5  
 Kachestveni i količestveni  
 izsledvaniia na zooplanktona na  
 varnenskoto ezero (Qualitative and  
 quantitative research on the zoo-  
 plankton of Varna Lake). Ru De

Composition of the plankton with  
 account of seasonal & other  
 fluctuations & measurement of biomass.

GLK:glk

MF

Rozhdestvenski, A.V. (1957) 59-7133  
Trav.sci.Inst.Pêche, Varna, 1:207-12  
 Dinamika na nitratite i fosfatite v  
 otkritite chernomorski vodi pred  
 bulgarskaia briag (Dynamics of  
 phosphates & nitrates in the open  
 Black Sea waters off the Bulgarian  
 coast). Ru

Discussion of tables of values  
 obtained for March, May, August &  
 November.

GLK:glk

M

Dimitrov, M. (1957) 59-7131  
Trav.sci.Inst.Pêche, Varna, 1:159-27  
 Khidrológichna i khidrobiológichna  
 kharakteristika na iazovir "Al.  
 Stamboliiski" (Hydrological and  
 hydrobiological characteristics of the  
 "Al. Stamboul" reservoir). Ru

Description of the reservoir, its  
 physical & chemical features & its  
 water masses, its zooplankton, benthos  
 & ichthyofauna.

GLK:glk

F

Okada, Y. (1957) 59-7134  
Rep.Fac.Fish.Univ.Mie-Utsu, 2(3):440-50  
 Geographical distribution of bottom  
 fishes in Japan

Comparison of the geographical  
 distribution of the bottom-fish  
 obtained at 4 fisheries  
 extending from north to south in  
 adjacent seas of Japan: Kushiro,  
 Hokkaido; Kumanonada station off Mie  
 Prefecture; Suruga Bay, situated off  
 the central island of Honshu; & Kochi  
 Prefecture of Shikoku.

FiB:yo

M

Picotti, M. (1957) 59-7135  
Boll. Pesca Piscic. Idrobiol., 12:121-3  
 Relazione sull'attività dell'Istituto  
 Sperimentale Talassografico di Trieste  
 per l'anno 1957 (Account of the  
 activity of the Institute of  
 Experimental Thalassography of Trieste  
 for the year 1957)

Building, equipment, research,  
 publications.

FAO:glk

M

Sommani, E. (1957) 59-7138  
Boll. Pesca Piscic. Idrobiol., 12:212-31  
 Limnologia dei laghi artificiali - VI.  
 Osservazioni conclusive (Limnology  
 of artificial lakes - VI. Concluding  
 observations). En Fr

Observations on morphology,  
 hydrological regime, principal  
 chemical & physical aspects, &  
 biological characteristics, compared  
 with natural lakes.

FAO:glk

F

Maldura, C. (1957) 59-7136  
Boll. Pesca Piscic. Idrobiol., 12:124-5  
 Relazione sull'attività del Laboratorio  
 Centrale di Idrobiologia durante l'anno  
 1957 (Account of the activity of  
 the Central Hydrobiological Institute  
 during the year 1957)

Contents as per title.

FAO:glk

MF

Scuderi, I. (1957) 59-7139  
Boll. Pesca Piscic. Idrobiol., 12:232-64  
 Sui caratteri morfologici  
 dell'Engraulis del "Lago Verde"  
 On the morphological characteristics  
 of Engraulis in the "Lago Verde").  
 En Fr

Morphological & some anatomical  
 characters of a particular form of  
Engraulis, living in "Lago Verde", a  
 brackish marine pond on the Tyrrhenian  
 coast of Sicily near Olivero, were  
 examined. 110 specimens were observed,  
 63 ♂♂ & 47 ♀♀ & observations of the  
 eggs & reproductive period were made.  
 FAO:is MF

Picotti, M. (1957) 59-7137  
Boll. Pesca Piscic. Idrobiol., 12:126-58  
 Ricerche nel Lago di Orta  
 (Researches on Orta Lake).  
 En Fr De

Physical & chemical characteristics of  
 the lake, studied with a view to  
 assessing the consequences of industrial  
 pollution.

FAO:glk

F

Giannotti, F.S. & 59-7140  
 M.V. di Giovanni (1957)  
Boll. Pesca Piscic. Idrobiol., 12:265-98  
 Il carico biologico convogliato dalle  
 acque delle Fonti del Clitunno  
 (The biological load carried by the  
 water from the Fountains of Clitumnus).  
 En Fr De

Physiographic account of the fountains,  
 chemistry & physics; the general  
 character of the phyto- & zoo-biota of  
 the water, & its seasonal variation.

FAO:glk

F



Cianficconi, F. & M. Riatti (1957) 59-7141  
Boll. Pesca Piscic. Idrobiol., 12:297-334  
 Impiego di pietre artificiali per l'analisi quantitativa delle colonizzazioni faunistiche dei fondi potamici (The use of artificial stones in the quantitative analysis of faunistic colonisation of potamic bottoms).  
 En Fr De

Description of the methods of study & account of observations on rheic behaviour of organisms & on the speed with which they colonised the stones under various conditions of current speed.

FAO:glk

F

U.K. White Fish 59-7142  
 Authority (n.d.)  
Plaistow, Curwen Press Ltd., 44 p.  
 The white fish industry

Popular account, describing the fish taken by the industry, the composition & size of its catch, its methods of fishing, grounds & vessels, scientific problems of its resources, the machinery & equipment of a trawler, distribution, selling, preservation & processing of the catch, research on the products, production & distribution costs, nutritional value of fish, & giving a bibliography.

FiB:glk

M

Robins, J.P. (1958) 59-7143  
Rep. Div. Fish. Oceanogr. C.S.I.R.O., (22): 5 p.  
 F.R.V. MARELDA - Scientific report of cruises July 1957 - May 1958

Note on the vessel, presentation of results of hydrological work as a series of diagrams of sections; correlation of tuna distribution & water mass type; length frequencies of southern bluefin tuna.

FAO:glk

M

Jebsen, J.W. & G. Hamoir (1958) 59-7144  
Acta chem. Scand., 12:1351-68  
 Electrophoretic and ultracentrifugal study of plaice myogen

Protein composition of water extracts of Pleuronectes platessa.

FiB:sjh

M

Gopalakrishnan, V. (1957). 59-7145  
J. Timber Dryers' Preserv. Ass. India, 3(4):9-12

Notes on damage caused to timber by Sphaeroma and Martesia in Cochin Harbour

Observations on wood-boring organisms from the wooden hulls of ships coming from Cochin Harbour recorded. 2 spp. of Sphaeroma were mainly responsible for the damage caused. Specimens of Martesia striata were also collected. Details of burrows produced by Sphaeroma are given.

TL:vg

M

Iyengar, S.R., V.G. Krishnan 59-7146  
 & V.V. Kelkar (1957).  
Defence Sci. J., Oct., 5-17  
 Studies on marine fouling organisms in Bombay Harbour

Reports studies with immersed non-toxic test panels, 1953-56; relation of settlement to water salinity & temperature, & to season. Spp. of fouling organisms; special significance of cirripedes.

TL:sjh

M

Zinov'eva, E.G. (1958) 59-7147  
C.R.Acad.Sci.U.R.S.S., 121:80-3  
 O prichinakh gibeli infuzorii pod  
 deystviem rentgenovskikh luchei  
 (Causes of death in infusorians under  
 the influence of X-rays)

Annotation to follow.

FAO:

F

Chittleborough, R.G. (1959) 59-7150  
Aust.J.Mar.Freshw.Res., 10(2):125-43  
 Determination of age in the humpback  
 whale, Megaptera nodosa (Bonnaterre)

The use of baleen, ear plugs, &  
 ovaries in the determination of age is  
 described. From evidence of baleen,  
 majority reach puberty at 4 or 5 years.  
 Rate of accumulation of laminations in  
 ear plugs is 2 per year; mean rate of  
 ovulation in sexually mature females  
 is 1.1 per year. (Annot. from proof).

FiBrge

M

Raikov, I.B. (1958) 59-7148  
C.R.Acad.Sci.U.R.S.S., 121:1079-82  
 Tsitokhimicheskie osobennosti  
 iadernogo apparata ravnoresnichnykh  
Loxodes striatus i L. magnus  
 (Special cytochemical features of the  
 nuclear apparatus of the isociliary  
 infusoria Loxodes striatus and L.  
magnus)

Annotation to follow.

FAO:

F

Thomson, J.M. (1959) 59-7151  
Aust.J.Mar.Freshw.Res., 10(2):144-9  
 The naturalization of the Pacific  
 oyster in Australia

Crassostrea gigas Thunberg, has been  
 successfully transplanted from Japan  
 to southern Australia. Mortality was  
 heavy amongst those transported by  
 ship, but negligible amongst those  
 brought in by air. Rate of growth has  
 been greater than that of native  
 oysters. Successful spatfalls have  
 occurred in Port Sorell for 3  
 successive seasons. (Annot. from proof)

FiB:jmt

M

Seravin, L.N. (1958) 59-7149  
C.R.Acad.Sci.U.R.S.S., 121:1090-2  
 Izmeneniia rezistentnosti v protsess  
 adaptatsii k soli  $\text{CaCl}_2$ ,  $\text{NaCl}$  i  $\text{KCl}$   
 (Changes of resistance of  
Paramecium caudatum in the  
 course of adaptation  
 to  $\text{CaCl}_2$ ,  $\text{NaCl}$  and  $\text{KCl}$ )

Annotation to follow.

FAO:

F

Olsen, A.M. (1959) 59-7152  
Aust.J.Mar.Freshw.Res., 10(2):150-76  
 The status of the school shark fishery  
 in South-Eastern Australian waters

Reviews catch statistics for  
Galeorhinus australis; results of  
 tagging experiments, catch per hook;  
 fecundity, maturity, growth,  
 evidence of depletion, proposed  
 conservation measures. (Annot. from  
 proof).

FiB:sjh

M

Laserson, C.F. (1959) 59-7153  
Aust.J.Mar.Freshw.Res., 10(?) 177-267  
 The family Pyramidellidae (Mollusca)  
 from Northern Australia

Area incl. the Solanderian  
 zoogeographical province, & part of  
 the Dampierian province. All spp.,  
 whether previously described or now  
 proposed as new, are figured &  
 discussed. Classification &  
 distribution; key to subfamilies &  
 genera; description of spp.; new  
 genera; list of spp. (Annot. from  
 proof).

PiB:cfl

M

Pearsall, W.H. (1959) 59-7156  
New Biol., (29):95-101  
 The ecology of invasion: ecological  
 stability and instability

Essay review of 582209, drawing  
 attention to Elton's emphasis on the  
 importance of population & spp.  
 diversity in producing an eco-system  
 stable against invasion.

SJH:glk

MF

Chaloner, W.G. (1959) 59-7154  
New Biol., (29):7-30  
 Continental drift

Statement of hypotheses & review of  
 geological evidence of drift, climatic  
 change & polar movement, & of the  
 evidence from biology & rock  
 magnetism for its occurrence.

SJH:glk

MF

Cragg, J.B. (1959) 59-7157  
New Biol., (29):102-23  
 Biological studies in the Antarctic  
 regions

Deals chiefly with terrestrial life  
 but has reference to the Antarctic  
 convergence & the importance of marine  
 plant & animal life.

SJH:glk

M

Fogg, G.E. (1959) 59-7155  
New Biol., (29):31-48  
 Dissolved organic matter in oceans  
 and lakes

The amounts, chemical nature, origin  
 & nutritional importance of these  
 substances, the existence of ectorine  
 substances, & the presence of complex-  
 forming substances.

SJH:glk

MF

Gurzęda, A. (1957) 59-7158  
Roczn.Nauk rol., 72:183-97  
 Analiza wzrostu karpi w stawach na  
 podstawie połowów kontrolnych  
 (An analysis of the growth of carp in  
 ponds on the basis of control catches).  
 En Ru

Presents an analysis of the growth  
 of 2 year old carp from 3 Polish  
 ponds over 2 seasons.

FAO:wcb

F



Czubak, W. (1957) 59-7159  
Roczn.Nauk rol., 72:199-241  
 Właściwy stosunek odżywczy w paszy dla  
 karpia (The proper nutritional  
 ratio in the feed of carp). En Ru

On basis of feeding experiments  
 evaluation tables are presented for  
 several feeds.

FAO:wcb

F

Włodek, S. (1957) 59-7162  
Roczn.Nauk rol., 72:327-68  
 Nawożenie organiczne stawów  
 przeludkowych (Organic  
 fertilization of fingerling ponds -  
 Preliminary investigations).  
 En Ru

Investigations were conducted on the  
 influence of barnyard manure & green  
 fertilization on the development of  
 water organisms & on fishery  
 production in fingerling ponds.

FAO:wcb

F

Przewłocki, K. (1957) 59-7160  
Roczn.Nauk rol., 72:243-53  
 Obserwacje fizycznych i chemicznych  
 warunków na karmiskach w stawach  
 karpowych (Observations on  
 physical and chemical conditions of  
 feeding grounds in carp ponds).  
 En Ru

Discusses the effect of feed given  
 to carp in ponds on the water  
 environment.

FAO:wcb

F

Danielewski, S. (1957) 59-7163  
Roczn.Nauk rol., 72:369-84  
 Badania nad wpływem mineralnego  
 nawożenia azotowego na niektóre  
 czynniki środowiska wodnego  
 (Investigations on the influence of  
 mineral nitrogenous fertilization on  
 some factors of the water environment).  
 En Ru

Tests were conducted on mineral  
 fertilization of water with calcium  
 nitrate.

FAO:wcb

F

Wieniawski, J. (1957) 59-7161  
Roczn.Nauk rol., 72:255-325  
 Poszukiwanie przyczyn zimowych strat  
 narybku karpia w stawach (Searching  
 for the causes of winter losses in  
 carp fry in ponds). En Ru

Discusses the influence of the  
 physical, chemical, biological  
 factors on carp fry in the winter  
 period.

FAO:wcb

F

Madras. Department of 59-7164  
 Fisheries (1958)  
Ann.Rep.Fish.Madras, 1956-57, 233 p.

Reports on biological & technological  
 research, technical assistance  
 projects & long-term development  
 plans; participation in meetings &  
 congresses, socio-economic &  
 statistical activities. 63 appendices  
 give statistics, bibliographies,  
 names of fishes & of water areas etc.

FAO:sjh

MF

Venkatraman, R. & S.T. Chari (1957)  
Indian J.med.Res., 45  
Amino-acid composition of some marine fishes

59-7165

Rotschi, H. (1958) 59-7168  
Rapp.sci.Inst.franc.Océanie, (8):64 p.  
ORSOM III - Résultats de la croisière  
ASTROLABE. I<sup>o</sup> partie. Océanographie  
physique (ORSOM III - Results of  
the cruise ASTROLABE. I Part.  
Physical oceanography)

Temperature, salinity & sigma-t data  
are given in a series of tables &  
diagrams. Methods of work are  
described.

Chari, S.T. & R. Venkatraman (1957)  
Indian J.med.Res., 45:  
Semi-drying of prawns and its effect on  
the amino acid composition

59-7166

Wilkinson, L. (1959) 59-7169  
N.Z.J.Sci., 2:196-207  
Sampling of tidal waters

Investigation of the effect of  
monthly & twice-daily changes in the  
tides on the composition of the tidal  
waters of 2 low-lying rivers in New  
Zealand, flowing into a common  
estuary with a narrow outlet to the  
sea. In assessing degree of pollution,  
the mean of a few low-water samples  
the mean of a large number of  
samples taken at all stages of the  
tide had virtually the same  
significance.

FAO.lw

MF

Rotschi, H. (1958) 59-7167  
Rapp.sci.Inst.franc.Océanie, (7):20 p.  
Résultats des observations scientifiques  
du "Tiare" croisière BOUNTY sous le  
commandement du lieutenant de vaisseau  
Morlanne - 20-29 juin 1958 (Results  
of scientific observations of the "Tiare"  
cruise BOUNTY under command of Lt.  
Morlanne - 20-29 June 1958)

Contains comments on methods, chart of  
stations, & temperature, salinity &  
sigma-t data given in a series of  
tables & diagrams.

GLK:hr

M

Nauchline, J. (1958) 59-7170  
Thesis, Univ. Glasgow, U.K.,  
Contributions to the biology of the  
crustacean euphausiid, Meganyctiphanes  
norvegica (M.Sars)

Anatomy, histology; egg development;  
vertical migrations; feeding methods;  
morphometry; seasonal movements  
within Clyde Sea area.

FAO (1959) 59-7171  
Yearb. Fish. Statist. F.A.O., 8(1957):

Tables of imports & exports, by spp.  
groups, countries, commodity.

GLK:sjh

MF

IPFC (1959) 59-7174  
Curr. Aff. Bull., Bangkok, (24):51 p.

Briefly reports activities of IPFC  
& of its committees & officers, &  
important current fisheries  
developments in both member countries  
& other parts of the world, as known  
to date of issue, April 1959; lists  
references & annotates some recent  
publications of interest to fisheries  
workers in the Indo-Pacific region.  
This issue contains articles on  
fishing boats & on gillnets.

SJH:sjh

I

Batchelor, J.H. (1959) 59-7172  
St. Louis Univ. Press, Missouri, 865 p.  
Operations research - An annotated  
bibliography

Greatly expanded revision of  
bibliography published in 1952 by Case  
Institute of Technology, Ohio. 4195  
annotated references in alphabetical  
order of authors' names. Subject index;  
some, but very few examples of  
fisheries studies, none later than 1953.

FAO:sjh

G

Schultz, L.P. (1959) 59-7175  
Science, 130:93-4  
Fishes of the Great Lakes region.

Critical review of 59-6716.

FAO:

F

Morris, V.B. (1957) 59-7173  
Thesis, Univ. Edinburgh.  
Studies on the light response of the  
ammocoete larva of Lampetra planeri  
(Bloch) and Lampetra fluviatilis (Linn)

M

Thorson, T.B. (1959) 59-7176  
Science, 130:99-100  
Partitioning of body water in sea  
lamprey

Measurements were made of the  
partitioning of total body water in  
the sea lamprey, Petromyzon marinus,  
between intracellular & extracellular  
compartments & the division of the  
latter into interstitial fluid &  
plasma. Comparison is made with  
elasmobranchs & more advanced  
teleosts.

FAO:tbt

MF



Hess, E.H. (1959)  
Science, 130:133-41  
Imprinting

59-7177

History of the concept of imprinting & description of experiments to determine the 'critical period' for its establishment, the conditions under which it is effected & which determine its intensity & aspects of its nature; discussion of its relation with innate behaviour patterns & learning.

FAO:glk

MF

Clark, E. (1959)  
Science, 130:217-8

59-7180

Instrumental conditioning of lemon sharks

2 sharks were trained to feed at a target which, when pressed, caused a submerged bell to ring. Later they were trained to press the target for remotely placed food. They retained this conditioned response after a 10-week period of inactivity.

FAO:cc

M

Shepard, F.P. (1959)  
Science, 130:141-9  
Marine sediments

59-7178

Account of research on recent sediments & discussion of the evidence they furnish on the conditions under which sedimentary rocks have been formed.

FAO:glk

M

Ericson, D.B. (1959)  
Science, 130:219-20

59-7181

Coiling direction of Globigerina pachyderma as a climatic index

An interdependence between the geographical distribution of dextral & sinistral populations of the planktonic foraminifer, G. pachyderma, & sea surface-temperatures is demonstrated. It is inferred that changes in dominant coiling direction at lower levels in sediment cores from the North Atlantic record southward shifts of isotherms during the last ice age.

FAO:dbc

M

Borchert, H. (1959)  
Berlin, Borntraeger, 237 p.  
Ozeane Salzlagerstätten - Grundzüge der Entstehung und Metamorphose ozeaner Salzlagerstätten sowie des Gebirgsverhaltens von Salzgesteinsmassen  
(Treatise on the origin and metamorphosis of marine salt deposits and on the correlation to mountain farming salt beds)

59-7179

UGGI (1959)

59-7182

Chron.U.G.G.I., (19):65-96

Contains list of scientific papers presented at the meeting of IAPG in Toronto during the general assembly of IUGG in 1957.

FAO:tl



Forrester, W.D. (1958) 59-7183  
 Ottawa, 73 p.  
 Current measurements in Passamaquoddy Bay and the Bay of Fundy, 1957 and 1958

Tabular & graphic presentation of tidal stream & residual current at the anchor stations in Passamaquoddy Bay & the Bay of Fundy.

GLK:tl

M

Li, P. (1959) 59-7186  
Acta zool.sinica, 11(1):49-56  
 (Variations of the sex-ratio and differential mortality in the goldfish, Carassius auratus). Ch En

Comparison of sex ratios in wild samples from near lekin, & in aquarium bred stocks showed seasonal & age variations. Sexual differences in growth rate.

FAO:glk

F

Shen, C.-J. & 59-7184  
 H.-L. Li (1959)  
Acta zool.sinica, 11(1):12-23  
 (Parasitic copepods from fishes of China - IV. Caligoida, Caligidae (3) ).  
 Ch En

Description of the new spp. Caligus undulatus & C. costatus.

FAO:glk

M

Atz, J.W. & 59-7187  
 G.E. Pickford (1959)  
Endeavour, 18:125-9  
 The use of pituitary hormones in fish culture

An ill. review of the history of domestication of fish, & particularly of induction of spawning in many fresh-water spp. Detailed mention of work on sturgeons & Indian carps & catfishes.

GLK:sjh

MF

Li, P. (1959) 59-7185  
Acta zool.sinica, 11(1):42-8  
 (The influence of prolonged starvation upon the sex-ratio in the goldfish, Carassius auratus). Ch En

5 month rearing experiments, 7-11/57, showed differential mortality. Gonad of one male had several testes-ova like primary oocyte of a normal female.

FAO:glk

F

Jones, J.W. (1959) 59-7188  
New Scient., 6:122-3  
 The spawning behaviour of the salmon

Brief account of the life-history of the salmon, detailed account of reproductive behaviour, & description of research, with ill.

FAO:glk

F

Namias, J. (1959) 59-7189  
J.geophys.Res., 64:631-46  
Recent seasonal interactions between  
North Pacific waters and the over-  
lying atmospheric circulation

The recent pronounced anomalous  
warming of surface waters of the  
eastern North Pacific is related to  
prevailing abnormalities in the over-  
lying atmospheric circulation.

GLK:jn

M

Djerfnes, J.A.B. (1959) 59-7192  
J.geophys.Res., 64:689  
North Atlantic sea surface  
temperatures and atmospheric  
circulation

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting of  
the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Tyler, J.E., W.H. 59-7190  
Richardson & R.W. Holmes (1959)  
J.geophys.Res., 64:667-73  
Method for obtaining the optical  
properties of large bodies of water

Equipment for obtaining the important  
optical properties of large bodies  
of water is described & a method for  
computing six optical properties  
from measurements of radiance  
distribution is given.

GLK:jet

M

Brooks, N.H. (1959) 59-7193  
J.geophys.Res., 64:689  
Lateral diffusion of mass in a  
steady current in the ocean or  
atmosphere

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Abraham, G. (1959) 59-7191  
J.geophys.Res., 64:689  
Water gravity waves generated by a  
moving circular low pressure area

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Hill, R.A. (1959) 59-7194  
J.geophys.Res., 64:690  
Inflow to Lake Titicaca

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

F



LaFond, E.C. (1959) 59-7195  
J.geophys.Res., 64:691  
Sea-surface slicks off Mission Beach

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Reid, J.L., Jr. (1959) 59-7198  
J.geophys.Res., 64:693  
Evidence of the existence of a South  
Equatorial countercurrent in the  
Pacific

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Little, E.M. (1959) 59-7196  
J.geophys.Res., 64:692  
Fluid permeability profile of sea-ice  
as a good index of its condition

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Saur, J.F.T. & 59-7199  
L.E. Eber (1959)  
J.geophys.Res., 64:694  
On the preparation and significance  
of monthly mean sea-surface  
temperature charts of the North  
Pacific Ocean

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Miller, D.J. (1959) 59-7197  
J.geophys.Res., 64:692  
Giant waves in Lituya Bay, Alaska

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Thompson, W.C. (1959) 59-7200  
J.geophys.Res., 64:694  
Modifications to the application of  
the Pierson-Neumann theory in the  
forecasting of ocean swell

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Namias, J. (1959) 59-7189  
J.geophys.Res., 64:631-46  
Recent seasonal interactions between  
North Pacific waters and the over-  
lying atmospheric circulation

The recent pronounced anomalous  
warming of surface waters of the  
eastern North Pacific is related to  
prevailing abnormalities in the over-  
lying atmospheric circulation.

GLK:jn

M

Bjerknes, J.A.B. (1959) 59-7192  
J.geophys.Res., 64:689  
North Atlantic sea surface  
temperatures and atmospheric  
circulation

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting of  
the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Tyler, J.E., W.H. 59-7190  
Richardson & R.W. Holmes (1959)  
J.geophys.Res., 64:667-73  
Method for obtaining the optical  
properties of large bodies of water

Equipment for obtaining the important  
optical properties of large bodies  
of water is described & a method for  
computing six optical properties  
from measurements of radiance  
distribution is given.

GLK:jet

M

Brooks, N.H. (1959) 59-7193  
J.geophys.Res., 64:689  
Lateral diffusion of mass in a  
steady current in the ocean or  
atmosphere

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Abraham, G. (1959) 59-7191  
J.geophys.Res., 64:689  
Water gravity waves generated by a  
moving circular low pressure area

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Hill, R.A. (1959) 59-7194  
J.geophys.Res., 64:690  
Inflow to Lake Titicaca

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

F

LaFond, E.C. (1959) 59-7195  
J.geophys.Res., 64:691  
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GLK:

M

Reid, J.L., Jr. (1959) 59-7198  
J.geophys.Res., 64:693  
Evidence of the existence of a South  
Equatorial countercurrent in the  
Pacific

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GLK:

M

Little, E.M. (1959) 59-7196  
J.geophys.Res., 64:692  
Fluid permeability profile of sea ice  
as a good index of its condition

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Saur, J.F.T. & 59-7199  
L.E. Eber (1959)  
J.geophys.Res., 64:694  
On the preparation and significance  
of monthly mean sea-surface  
temperature charts of the North  
Pacific Ocean

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
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GLK:

M

Miller, D.J. (1959) 59-7197  
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Giant waves in Lituya Bay, Alaska

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M

Thompson, W.C. (1959) 59-7200  
J.geophys.Res., 64:694  
Modifications to the application of  
the Pierson-Neumann theory in the  
forecasting of ocean swell

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

M



Tyler, J.E. (1959) 59-7201  
J.geophys.Res., 64:694  
The directional distribution of  
natural light at various depths under  
water

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

MF

Anonymous (1959) 59-7204  
New Scient., 6:233  
A dissolving wire

Note on method of protecting ships'  
hulls from corrosion by trailing  
aluminium wire cathode.

FAO:sjh

M

Tyler, J.E. (1959) 59-7202  
J.geophys.Res., 64:694  
Some current hydro-optical research  
in the USSR

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK:

MF

Laughton, A.S. (1959) 59-7205  
New Scient., 6:237-40  
The sea floor

Ill. article on sounding & survey  
methods, underwater photography,  
physical features & topography of the  
bottom.

FAO:sjh

M

Wickham, J.B., J. Blondin 59-7203  
& J. Negele (1959)  
J.geophys.Res., 64:695  
Some ocean wave spectra at Davenport,  
California

Abstr. of paper presented at the  
Pacific Southwest Regional Meeting  
of the American Geophysical Union,  
Stanford, California, Feb. 5-6, 1959.

GLK

M

Falconer, D.S. (1959) 59-7206  
New Scient., 6:250  
Spawning behaviour of the salmon

Letter referring to 59-7188 &  
criticizing the conclusions of the  
latter.

FAO:sjh

MF

Jones, J.W. (1959) 59-7207  
New Scientist., 6:250  
Spawning behaviour of the salmon  
Reply to 59-7206.

FAO:sjh

MF

Hansen, P. (1959) 59-7210  
Dansk FiskTid., 77:145-6  
De fiskeribiologiske undersøgelser i  
de grønlandske farvande (The  
fisheries biological investigation in  
Greenland waters)

Review of Danish investigations in the  
sea areas around Greenland during  
1958 & prognoses on the future cod  
fishery in this area.

FAO:tl

M

Reynolds, E.S. & 59-7208  
S.P. Meyers (1959)  
Science, 130:4  
Marine fungi and Limnoria  
Criticism of 59-2514.

FAO:sjh

M

Anonymous (1959) 59-7211  
Dansk FiskTid., 77:229-30  
Undersøgelserne i havet ved Faerøerne  
og i nordlige havområder  
(Investigations in the seas around  
Faerøers and in the northern sea  
areas)

Review of Danish hydrographical &  
fisheries investigations during 1958  
& notes on international herring  
investigations.

FAO:tl

M

Ray, D.L. & 59-7209  
D.E. Stuntz (1959)  
Science, 130:46-7  
/Letter/  
Answer to 59-7208.

FAO:sjh

M

Anonymous (1959) 59-7212  
Dansk FiskTid., 77:231-2  
Faerøernes nye fiskerigrænse  
(The new fishery boundaries of the  
Faeroes)

Review of Danish-British agreement  
on the fishery boundaries around  
Faeroes Islands.

FAO:tl

M

Finger, G.L. & 59-7213  
P.E. Fields (1957)  
Tech.Rep.U.Wash.Sch.Fish., (34):25 p.  
The role of light adaptation on  
negative phototaxis in salmon  
(Oncorhynchus kisutch)

PA 33(1)511.

MF

Wald, G. (1957) 59-7216  
J.gen.Physiol., 40:901-14  
The metamorphosis of visual systems  
in the sea lamprey  
PA 33(2)3016.

MF

Johnson, D.E. & 59-7214  
P.E. Fields (1957)  
Tech.Rep.U.Wash.Sch.Fish., (35):56 p.  
The application of certain  
conditioning and handling techniques  
to the guidance of downstream migrant  
salmon

PA 33(1)526.

MF

Wodinsky, J. & 59-7217  
M.E. Bitterman (1957)  
Amer.J.Psychol., 70:569-76  
Discrimination-reversal in the fish  
PA 33(2)3237.

MF

Otis, L.S., J.A. Cerf 59-7215  
& G.J. Thomas (1957)  
Science, 126:263-4  
Conditioned inhibition of respiration  
and heart rate in the goldfish

PA 33(1)547. An apparatus & procedure  
for inducing conditioned inhibition of  
breathing rate & heart rate in  
Carassius auratus is reported.  
Typical results are presented in a  
figure.

FAO:pa

F

Mountcastle, V.B. (1958) 59-7218  
Annu.Rev.Physiol., 20:471-508  
Somatic functions of the nervous  
system  
PA 33(3)5235.

MF



Forbes, A. et al. (1958) 59-7219  
J.Neurophysiol., 21:247-62  
Electroretinogram of fresh-water  
turtle: quantitative responses to  
color shift

PA 33(3)5341.

F

King, J.A. (1958) 59-7222  
Psychol.Bull., 55:46-58  
Parameters relevant to determining  
the effects of early experience upon  
the adult behaviour of animals

PA 33(3)5456.

MF

Cerf, F.R. (1957) 59-7220  
Bull.Group franc.Rorschach, (9):15-9  
Les animaux de la Planche VIII  
(The animals of "Planche VIII")

PA 33(3)5431.

MF

Kasprzyk, Z. & 59-7223  
M. Calvin (1959)  
Proc.nat.Acad.Sci.U.S., 45:952-9  
Search for unstable CO<sub>2</sub> fixation  
products in algae using low  
temperature liquid scintillators

Experiments with Scenedesmus to learn  
more of the unstably bound CO<sub>2</sub>, using  
a combustion method.

FAO:sjh

FG

Johnson, D.E. (1958) 59-7221  
Dissert.Abstr., 18:1507-8  
The application of certain conditioning  
and handling techniques to the  
guidance of downstream migrant salmon

PA 33(3)5455. See 59-7214.

F

Libby, W.F. (1959) 59-7224  
Proc.nat.Acad.Sci.U.S., 45:959-76  
Radioactive fallout particularly  
from the Russian October series

Takes account of some measurements  
taken at sea.

FAO:sjh

F

Bilton, T.H., M.P. Shepard 59-7225  
& D.W. Jenkinson (1959)  
Circ.biol.Sta.Nanaimo, (52):6 p.  
Sampling of 1958 B.C. salmon catches  
and escapements for age and sex  
composition

Results of sockeye sampling in  
British Columbia.

FAO:sjh

MF

Anonymous (1959) 59-7228  
Trade News, 11(12):7-9  
North Pacific fisheries problems

Short reports on INPFC activity &  
of 2nd Conference on Co-ordination of  
Fisheries Regulations, Vancouver,  
April 1959 - U.S. & Canada.

FiB:sjh

MF

MacPhail, J.S. & 59-7226  
J.C. Medcof (1959)  
Trade News, 11(12):3-6  
Ocean quahaug explorations

Prospecting for Arctica islandica  
in Northumberland Strait, using a  
hydraulic dredge.

FiB:sjh

M

Anonymous (1959) 59-7229  
Trade News, 11(12):10-1, 15  
Lamprey control encouraging

Note on review of problem presented  
to GLFC, Ottawa, April 1959.

FiB:sjh

MF

Anonymous (1959) 59-7227  
Trade News, 11(12):6  
Completion of oyster transfer.

Final phase of 3-year project,  
sponsored by the Department of  
Fisheries of Canada, for the transfer  
of 10,000 barrels of disease-  
resistant Prince Edward Island  
oysters to rehabilitate stocks in  
New Brunswick & Nova Scotia.

FiB a

M

Anonymous (1959) 59-7230  
Trade News, 11(12):15  
Lake Erie experiments

Commercial fishing methods generally  
used in Canada's coastal & deep sea  
fishing operations are to be tried in  
Lake Erie early this summer by the  
federal Department of Fisheries. The  
testing of the gear is part of the  
expanded technical development  
programme of the Department's  
Industrial Development Service. The  
types of gear which will be tried are  
the midwater trawl, purse seine,  
Danish seine & bottom trawl.  
FiB:a F

Black, W.A. (1959) 59-7231  
Ottawa, Dep. Mines & tech. Surveys  
Gulf of St. Lawrence ice survey,  
winter 1957

Reports an aerial survey of ice conditions during February & March 1957, a continuation of the survey undertaken during the winter of 1956. The primary purpose was to observe & map the coverage & distribution of the various types of ice & to observe the general movements of the ice. Conducted by the Geographical Branch of the Department of Mines & Technical Surveys & the Royal Canadian Air Force,

Jitts, H.R. (1959) 59-7234  
Tech. Pap. Div. Fish. C.C.I.R.C., (6):26 p.  
Measurements of light penetration in the Tasman Sea, 1955-57

Detailed tabulation of observations & discussion of diurnal & annual variations.

FAO glk

M

59-7231  
(Card 2)  
& co-ordinated by the Geophysical Research Section of the Defense Research Board. The Royal Canadian Navy & the Atlantic Oceanographic Group collaborated in the project.

:wab

MF

Norway. Committee for 59-7235  
Whaling Statistics (1959)  
Int. Thal. Statist., (41):85 p.

Introductory review of statistics for 1956-57, followed by tables of catches & effort by country, area, spp., sex & size; oil production; measurement of foetuses.

FAO sjh

M

Black, W.A. (1959) 59-7233  
Ottawa, Dep. Mines & tech. Surveys  
A report on sea ice conditions in the eastern Arctic, summer 1958

Result of the 3rd ice reconnaissance survey of the eastern Arctic, carried out during summer 1958, provides a picture of the nature, conditions & distribution of the ice encountered by Canadian Government ships. The purpose is to record the special problems that ice presents to ships in Canada's Eastern Arctic waters.

:wab

M

Norway. Committee for 59-7236  
Whaling Statistics (1959)  
Int. Thal. Statist., (42):56 p.

Introductory review of statistics for 1957-58, followed by tables of catches & effort by country, area, spp., sex & size; oil production; measurement of foetuses.

FAO: sjh

M



IHB (1959) 59-7237  
Int.hydr.Bull., (7):208-32

Contains notes on the activities of the Bureau & information on charts, sailing directions, lights, tides & currents, work carried out & projected & new charts & new editions of charts.

FAO:glk

M

"Pekoe" (1959) 59-7240  
World Fish., 8(3):69-73  
The wheel has turned

Observations on the results of the 1958 herring fishery season.

FAO:glk

M

Craig, R.E. (1959) 59-7238  
World Fish., 8(3):46-7

Narrow beam echo sounder on trial - standard machine adapted on EXPLORER

Brief note on the equipment & results obtained with it.

FAO:glk

M

Hepher, B. (1959) 59-7241  
Bamidgeh, 11(1):3-22

Chemical fluctuations of the water of fertilized and unfertilized fishponds in a subtropical climate. En Iw

Reports observations at Dor Fish Culture Research Station, Israel, 1953-56.

FiB:sjh

F

Anonymous (1959) 59-7239  
World Fish., 8(3):48-50

MARA is well fitted for her research tasks

Brief note describing the vessel, her equipment & fishing gear performance.

FAO:glk

M

Ben-Ari, A. (1959) 59-7242  
Bamidgeh, 11(1):23-5

The problem of "wild" spawning and its use in the carp ponds. En Iw

A note concerning Cyprinus carpio culture.

FiB:sjh

F

Pruginin, J. & 59-7243  
 A. Ben-Ari (1959)  
Bamidgeh, 11(1):25-8  
Instructions for the construction  
and repair of fish ponds. En Iw  
 A brief outline of suitable  
 specifications for ponds in Israel.

FiB:sjh

F

Holt, S.J. (1959) 59-7246  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/2  
 The use of fishery statistics by  
 research biologists

FiB:

M

Pruginin, J. (1959) 59-7244  
Bamidgeh, 11(1):28-30  
Rentability of chemical weed control  
in drainage canals. En Iw  
 Experiments comparing costs, in  
 Israel of eradicating Phragmites  
communis & other plants by hand  
 weeding & by use of dalapon & 2.4-D  
 ester.

FiB:sjh

F

Scott, A. (1959) 59-7247  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/3  
 The use of fishery statistics by  
 research economists

FiB:

M

Rashley, F.J. & 59-7245  
 J.B. Rutherford (1959)  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/1  
 A report on a survey of fishery  
 statistics of the main countries  
 fishing the Middle and North Atlantic  
 area

FiB:

M

Gerhardsen, G.M. (1959) 59-7248  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/4  
 The use of fishery statistics by  
 government and business in North-West  
 Europe

FiB:

M

Rutherford, J.B. (1959) 59-7249  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/5  
The use of fishery statistics by  
business and government in North  
America

FiB: M

U.N. Statistical Office 59-7252  
Department of Economic Affairs (1959)  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/10  
Statistics of the fish processing  
industry

FiB: M

Fridriksson, A. (1959) 59-7250  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/8  
Fishery statistical requirements of  
ICES

FiB: M

U.N. Statistical Office 59-7253  
Department of Economic Affairs (1959)  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA WP/11  
Statistics on the distribution of fish  
and fish products through wholesale  
and retail channels

FiB: M

Keir, R.S. (1959) 59-7251  
Expert Meeting on Fishery Statistics,  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September, 1959,  
FAO/ICES/ICNAF - ESTANA WP/9  
Fishery statistical requirements of  
ICNAF

FiB: M

Eddie, G.C. et al. (1959) 59-7254  
Expert Meeting on Fishery Statistics  
in the North Atlantic Area, Edinburgh,  
Scotland, 22-30 September 1959,  
FAO/ICES/ICNAF - ESTANA SP/8  
The statistical needs of the  
designer of large trawlers and ship-  
borne processing plant

FiB: M



Jones, N.R. (1959) 59-7255  
J.Sci.Fd Agric., 10:282-6  
The free amino-acids of fish - II.  
Fresh skeletal muscle from lemon sole  
(Pleuronectes microcephalus)

Free amino-acid composition surveyed over a 3-year period. Considerable variations occur, some of them seasonal. These findings are discussed in relation to their significance in fish technology & comparative biochemistry.

FAO:nrj

M

Bystedt, J., L. Swenne 59-7258  
& H.W. Aas (1959)  
J.Sci.Fd Agric., 10:301-4  
Determination of trimethylamine oxide in fish muscle.

Review of literature & description of method.

FAO:sjh

MF

Wiesner, (1958) 59-7256  
Brauwelt, 98B:862  
Fish poisoning by ammoniacal brewery effluents

JSFA 10(5):i-292. Severe cases have been connected with operations involving repairs or renewals of cooling plant. Data are given in confirmation of the toxicity of  $\text{NH}_3$  to fish.

:jsfa

F

Lovern, J.A., J. Olley 59-7259  
& H.A. Watson (1959)  
J.Sci.Fd Agric., 10:327-37  
Changes in the lipids of cod during storage in ice

Contents as per title.

FAO:sjh

II

Gameson, A.L.H. & 59-7257  
A.B. Wheatland (1958)  
J.Inst.Sew.Purif., (2):106-19  
Ultimate oxygen demand (U.O.D.) and course of oxidation of sewage effluents

JSFA 10(5):i-292.

F

Schubert, E. (1958) 59-7260  
Naturwissenschaften, 45:571-2  
Polarographic determination of oxygen at pressures above atmospheric: measurement of oxygen consumption in biological investigations

JSFA 10(6):i-348.

G

Beever, C. & K. Ruud (1959) 59-7261  
 FAO, Rome, mimeo, 18 p.  
 Financial assistance schemes for the acquisition of improvement of fishing craft

A draft review of subject, with examples from various countries, especially Belgium, Canada, Denmark, France, German Federal Republic, Ireland, Japan, Malta, Norway, Spain, South Africa, UK, USA.

FiB:sjh

M

Petkovski, T.K. (1959) 59-7264  
 Hidrobiol.Istanbul, 4B:166-9  
 Beiträge zur Kenntnis der Entomostraken des Bojansko Blato in Bulgarien (Contribution to the knowledge of entomostraca of Bojansko Blato in Bulgaria)

Notes, with ill., on spp. of Erycaetia, Elaphoidella, Limnodynastes, Tryocamptus, Cyclocypris & Cypria.

FAO:sjh

F

Nalbandoğlu, U. (1959) 59-7262  
 Hidrobiol.Istanbul, 4B:111-57  
 Morphological study of the fin and connective systems in Anatolian Cyprinodontidae

Detailed ill. anatomical study of girdles of Aphanius, Anatolichthys, Kosswigichthys & the "Burdur" fishes, in their hybrids & abnormal forms.

FAO:sjh

F

Karaman, S.L. (1959) 59-7265  
 Hidrobiol.Istanbul, 4B:170-5  
 Über eine neue Unterart von Niphargus tauri (Schellenberg), n.ssp. osogovensis aus Jugoslawien (On a new form of Niphargus tauri (Schellenberg), n.ssp. osogovensis, from Yugoslavia)

Ill. description.

FAO:sjh

F

Petkovski, T.K. (1959) 59-7263  
 Hidrobiol.Istanbul, 4B:158-65  
 Beitrag zur Kenntnis der Ostrocoden-Fauna Jugoslawiens (V) (Contribution to the knowledge of Yugoslavian ostracod fauna)

Ill. description of spp. of Ilyodromus, Limnocythere, & Leptocythere.

FAO:sjh

F

Demir, M. (1959) 59-7266  
 Hidrobiol.Istanbul, 4B:176-9  
 Pontellidae and Parapontellidae (Pelagic copepoda) from the Southern Black, Marmara, and North-East Aegean Seas

Short account of distribution, abundance, & importance of spp. of Anomalocera, Pontella, Labidocera, Pontellopsis, Pontellina & Parapontella.

FAO:sjh

M

Demir, N. (1959) 59-7267  
Hidrobiol. Istanbul, 4B:180-7  
 Notes on the variations of the eggs of  
 anchovy (Engraulis encrasicolus Cav.)  
 from Black, Marmara, Aegean and  
 Mediterranean Seas

Describes variations in size & shape  
 of E. encrasicolus eggs in these areas.

FAO:sjh

M

Abrikosov, G.G. (1959) 59-7270  
C.R.Acad.Sci.U.R.S.S., 126:1378-80  
 O polovyn podrazdeleniakh i  
 geograficheskom rasprostraneni  
 polerotykh (Gymnolaemata) mshanok  
 kontinental'nykh vodoemov (On  
 generic subdivisions and geographic  
 distribution of Gymnolaemata Bryozoa  
 of continental water reservoirs)

Annotation to follow.

FAO:

M

Angelescu, V., F.S. Gneri 59-7268  
 & A. Nani (1958)  
Publ.Serv.Hidr.nav.Buenos Aires, (H-1004)  
 La merluza del Mar Argentino (Biologia  
 y taxonomia) (The hake of Argentina  
 Seas - Biology and taxonomy)

Monograph on Merluccius m. hubbsi;  
 population dynamic, growth, length  
 composition, areas fished, statistics  
 of catches; reproduction, maturity,  
 nutrition, parasites, general ecology  
 & environment. Taxonomic consideration  
 of the genus & its sub-divisions;  
 distribution & comparison biology of  
 the Merluccidae & Gadidae. Practical

Lobashev, M.E., V.B. 59-7271  
 Sevvateev & V.G. Marshin (1959)  
C.R.Acad.Sci.U.R.S.S., 126:1385-8  
 Adaptatsiia k bezuslovnomu  
 razdrazhiteliu v protsesse  
 obrazovaniia uslovnogo refleksa  
 (Adaptation to an unconditioned  
 stimulus in the process of conditioned  
 reflex formation)

Annotation to follow.

FAO:

MF

59-7268  
 (Card 2)  
 application of results of these  
 studies. Bibliography, charts.

SJH:sjh

M

Nielsen, B.R. (1959) 59-7272  
Dansk FiskTid., 77:164-6  
 På fiskeri ved Yemen, "det lykkelige  
 Arabien" (On the fishery in  
 Yemen, "the lucky Arabia")

Popular review of fisheries in Yemen.

FAO:t1

M



Birmingham University (1957) 59-7273  
Birmingham, 107 p.  
Twenty-eighth annual report (session  
1956-1957) of the University Research  
Committee

Incl. account of work in Dep. of  
Zoology & Comparative Physiology on  
electrophysiological study of hind-  
brain activity & breathing movements  
of teleosts; correlation between speed  
of shortening of lamellibranch muscle -  
incl. Mytilus - & its ionic content -  
Na, K, Cl -; use of radioactive tracers  
to measure sodium flux through muscle  
of marine & freshwater lamellibranchs;

59-7275  
(Card 2)

muscles of molluscs; blood analyses  
of Gammarus spp. from waters of  
various salinities; infestation of  
Scrobicularia plana in Essex by the  
digenetic trematode Petricola phola-  
diformis; adhesive apparatus of  
diclidophoroid trematodes on gadoids;  
the trematodes Echinostoma &  
Levinseni parasitizing Lymnaea  
stagnalis. Gives list of published  
work & theses, also work of Dep.  
Engineering "Introduction on theory of  
closed queues", of Dep. Civil  
Engineering on deposition of sands;

59-7273  
(Card 2)

study of trematodes, incl. Dictyocotyle  
coeliaca, endoparasitic in Cuckoo  
Roys at Plymouth, & larvae of several  
spp. in Lymnaea stagnalis; host  
specificity of skin-dwelling & gill  
dwelling trematodes. Gives list of  
published work & theses. Also work of  
Dep. of Geology on seismic survey of  
floor of Cardigan Bay; of Dep. of  
Electrical Engineering on echo-ranging  
systems.

GLK:sjh

MF

59-7275  
(Card 3)

of Dep. Electrical Engineering on  
echo-ranging systems - laboratory  
built at Beldive reservoir, equipment  
tested on DISCOVERY II -, also gives  
references to theses on p. 27.

GLK:sjh

MF

Birmingham University (1958) 59-7275  
Birmingham, 108 p.  
Twenty-ninth annual report (session  
1957-1958) of the University Research  
Committee

Incl. account of work in Dep. Zoology  
& Comparative Physiology on:  
innervation of structure & innervation  
of sensory end organs of ear of Raja  
clavata; elasmobranch ampullae of  
Lorenzini; nervous coordination of  
breathing in fish; physiological  
differences between marine & freshwater  
animals, especially O<sub>2</sub> - consumption of

Nasir, P. (1958) 59-7273  
Thesis, Univ. Birmingham,  
The trematode parasites of Lymnaea  
stagnalis (L.) from Edgbaston Pool,  
with descriptions of the complete  
life cycles of three of them

F

Whitehouse, J.W. (1958) 59-7279  
Thesis, Univ. of Birmingham  
The ecology of some North Midlands  
bogs and meres

F

Kendell, R. (1958) 59-7282  
Thesis, Univ. of Birmingham,  
The swinging of an acoustic beam  
by electronic means

G

Griffiths, J.W.R. (1958) 59-7280  
Electr. Radio Engr., 35:29  
Underwater acoustic echo-ranging

LP

Llewellyn, J. (1957) 59-7283  
Parasitology, 47:30  
The mechanism of the attachment of  
Kuhnia scombri (Kuhn, 1829) (Trematoda:  
monogenea) to the gills of its host  
Scomber scombrus L., including a note  
on the taxonomy of the parasite

M

Welsby, V.G. (1958) 59-7281  
Monogr. Inst. Electr. Engrs, (274R)  
The form assumed by a submarine cable  
during laying or recovery

M

Llewellyn, J. (1957) 59-7284  
1st Symp. on Host Specificity among  
Parasites of Vertebrates, Neuchatel,  
199  
Host-specificity in monogenetic  
trematodes

1G

Bultitude, K.H. (1957) 59-7285  
Thesis, Univ. of Birmingham  
Electrophysiological investigation of  
local activity of fish hind-brain,  
using microelectrodes

MF

Slobodkin, L.B. (1959) 59-7286  
Ecology, 40:232-45  
Energetics in Daphnia pulex  
populations

22 populations of D. pulex were  
subjected to predation in the  
laboratory. 5 control populations  
were maintained. The steady state  
census & yield data & the food  
consumption of each population were  
translated into calories by use of  
conversion constants. Energy budgets  
were then written for each  
population.

FAO:lbs

F

Abell, D.L. (1959) 59-7286  
Ecology, 40:186-93  
Observations on mosquito populations  
of an intermittent foothill stream in  
California

Dipper collections of immature  
mosquitoes were taken at monthly  
intervals during a single calendar  
year from water associated with an  
extended-flow-type intermittent stream  
in the western foothills of the Sierra  
Nevada in central California.

FAO:dla

F

Cooke, Wm.B. (1959) 59-7289  
Ecology, 40:273-91  
Trickling filter ecology

The populations of several trickling  
filters in the United States &  
England are reviewed according to  
limited studies based on either  
bacteria, fungi, algae, protozoans,  
worms, insects or snails. An  
integrated list is presented to  
indicate something of the complexity  
of the biota.

FAO:wbc

F

Patten, B.C. (1959) 59-7287  
Ecology, 40:221-31  
An introduction to the cybernetics of  
the ecosystem: the trophic-dynamic  
aspect

A model of energy flow through a  
producer-consumer- trophic  
system is developed as a logical  
consequence of applying the 1st 2  
principles of thermodynamics.  
Production rates & efficiency ratios  
are formulated from the model & used to  
compare the organization of several  
actual communities.

FAO:bcp

MF

Winn, H.T. & 59-7290  
J.E. Bardach (1959)  
Ecology, 40:296-8  
Differential food selection by moray  
eels and a possible role of the  
mucous envelope of parrot fishes in  
reduction of predation

A series of predator-prey experiments  
were carried out with the common  
spotted moray eel as the predator;  
one prey was either Sparisoma  
chrysopteron or radians offered  
together with Scarus croicensis. A  
mucous envelope is produced only by  
the last sp. & it was eaten less



59-7290  
(Card 2)  
frequently. Tentatively concludes that the mucous fold reduces effective predation by the common spotted moray eel.

FAO:hew

F

Burt, W.V., W.D. McAlister 59-7294  
& J. Queen (1959)  
Ecology, 40:305-6  
Oxygen anomalies in the surf near Coos Bay, Oregon

Anomalously low oxygen concentrations are reported for the surf near the entrance to Coos Bay, Oregon. Low oxygen concentrations were found from January through May & relatively high values the rest of the year. The times when low concentrations were found do not correlate with the expected time of maximum upwelling. The low concentrations do not appear to be

Marshall, N. (1959) 59-7292  
Ecology, 40:298  
Oyster set obtained in the Niantic River, Connecticut, on cultch buoyed near the surface

Report of the operation.

FAO:glk

MF

59-7294  
(Card 2)  
caused by de-oxygenated water coming out of the estuary.

FAO:bwv

M

Chipman, R.K. (1959) 59-7293  
Ecology, 40:299-302  
Studies of tolerance of certain freshwater fishes to brine water from oil wells

Report of field observations of the mortality & of aquarium experiments to determine lethal limits, for spp. of Amia, Ictalurus, Notemigonus, Chaenobryttus, Lepomis & Micropterus.

FAO:glk

MF

Reish, D.J. (1959) 59-7296  
Ecology, 40:307-9  
A discussion of the importance of the screen size in washing quantitative marine bottom samples

The importance of the screen opening in washing marine quantitative samples was discussed. 5 samples were washed separately through a series of 11 graded Tyler screens. The data were analyzed as to biomass, number of spp., number of specimens, & the appearance & disappearance of the spp.

FAO:djr

M

Maguire, B., Jr. (1959) 59-7297

Ecology, 40:312

Passive overland transport of small aquatic organisms

Report of result of washing with sterile water the feet & other parts of birds, insects & frogs & culturing the organisms adhering thereto.

FAO:glk

F

MacArthur, R.H. (1959)

59-7300

Ecology, 40:326-7

Animal ecology today

Review of 585666.

FAC:

MF

Verduin, J. (1959)

59-7298

Ecology, 40:322-3

Use of an aerated reference sample when measuring dissolved carbon dioxide

Description of a simple method of determining free carbon dioxide concentration.

FAO:glk

MF

Benton, A.H. &

59-7301

W.E. Werner, Jr. (1958)

New York, McGraw-Hill Book Co., 341 p.  
Field biology and ecology

MF

Solomon, M.E. (1959)

59-7299

Ecology, 40:325-6

A symposium on population ecology

Review of 584195.

FAO:

MF

Miller, R.S. (1959)

59-7302

Ecology, 40:327-8

Field biology and ecology

Review of 59-7301.

FAO:

MF

Odum, H.T. (1959)  
Ecology, 40:328  
Research adventures in the human  
ecology of an atoll

Review of 59-6455.

FAO:

Anonymous (1959) 59-7306  
New Scient., 6:142  
Future tasks for oceanographers

Summaries & short comment on 1st 4 of  
series of special reports by Committee  
on Oceanography of US Nat.Acad.Sci.,  
entitled "Marine Sciences in the U.S.,  
1958", "Ocean Resources", "Artificial  
Radioactivity in the Marine  
Environment" & "Engineering Needs for  
Ocean Exploration".

FAO: SJN

Hopkins, D.M. (1959) 59-7304  
Science, 129:1519-28  
Cenozoic history of the Bering land  
bridge

Description of the bottom of Bering  
Strait, past fluctuations of sea level  
in this area & history of evidences  
that there has been land bridge  
between the Alaska & Siberia in the  
geological past.

FAO:tl

Allen, P. (1959) 59-7307  
New Scient., 6:154-5  
The future of oil geology

Article incl. description & ill.  
of offshore drilling rigs.

FAO: SJN

Fleming, R.H. (1959) 59-7305  
Science, 129:1544-5  
The Gulf stream - A physical and  
dynamical description

Review of 59-6458.

FAO:

Bold, W.A. (1959) 59-7308  
New Scient., 6:162  
The Stephensons and Stevensons

Biographical comment on 59-6387.

FAO:



Gunther, A.E. (1959) 59-7309  
New Scient., 6:249  
Geophysical surveys

Letter referring to 59-7307 &  
discussing the support of marine  
geophysical research in Britain.

Neumann, G. (1959) 59-7312  
Bull.Amer.met.Soc., 40:146-8  
Notes on the stress of light winds  
on the sea

A reply to 581266, discussing the  
increase of drag coefficient by the  
decrease of wind speed.

FAC:sjh

M

TL:tl

M

Ramirez Granados, R. (1958) 59-7310  
Mexico, Secretaria de Marina, 135 p.  
Aspectos biologicos y economicos de la  
pesqueria de sardina, Sardinops  
caerulea (Girard, 1854), en aguas  
mexicanas del Pacifico (Biological  
and economic aspects of the sardine  
fisheries, Sardinops caerulea Girard  
1854, in Mexican waters of Pacific)

Gives data on age composition of  
catches, growth rate, distribution,  
environmental conditions, biochemistry,  
taxonomy, intra-specific variation,  
organization of research, application

Lindquist, A. (1959) 59-7313  
Rep.Inst.mar.Res.Lysekil, (10):19 p.  
Studien über das Zooplankton der  
Bottensee - I. Nauplien und  
Copepoditen von Limnocalanus grimaldii  
(de Guerne) (Copepoda, Calanoida)  
(Studies on the zooplankton of the  
Gulf of Bothnia - I. Nauplii and  
copepodites of Limnocalanus grimaldii  
de Guerne, Copepoda, Calanoida)

Description of the nauplii of & key to  
the identification of the developmental  
stages of this calanoid copepod.

TL:tl

M

59-7310  
(Card 2)  
of results, especially of studies  
of population dynamics. Also  
economics & food technology of this  
industry.

Marcotte, A. (1959) 59-7314  
Actualités mar., 3(1):3-9  
Distribution de la morue dans la Baie  
des Chaleurs en 1958 (Distribution  
of cod in the Baie des Chaleurs in  
1958)

Monthly patterns of distribution &  
their relation with temperature.

SJH:sjh

M

FAC:glk

M

Boulanger, J.L. (1959) 59-7315  
Actualités mar., 3(1):25-8  
 Une nouvelle planche à mesurer le poisson (A new fish-measuring board)

Description of the board which has a hole in each measurement interval opening into a container; measurements are recorded by dropping a ball or other marker through the appropriate hole.

FAC:glk

MF

Chittleborough, R.G. (1959) 59-7318  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (23)  
 25 p.

Australian humpback whales 1958 -  
 Part I. Analysis of catches - Part 2.  
 Whale marking and recoveries

In part I, tables & diagrams presenting data on total catch, rate of catching, sex ratio, length, sexual status, & age for both east & west coasts. In part II, whales marked, recoveries, information on migration & other matters.

FAC:glk

M

Paulhus, P. (1959) 59-7316  
Actualités mar., 3(1):29-31  
 La station d'aménagement du Parc des Laurentides (The management station at Parc des Laurentides)

Description of the station.

FAC:glk

F

Thomson, J.M. (1959) 59-7319  
Rep.Div.Fish.Oceanogr.C.S.I.R.O., (26)  
 11 p.

Summary review of a scientific survey of Lake Macquarie by C.S.I.R.O.  
 Division of Fisheries and Oceanography

The physical characteristics of the lake, its organic production, trends in the catch of fish, composition of the catch & presentation of hypotheses concerning the change observed in fish production.

FAC:glk

MF

Bastl, I. (1959) 59-7317  
Biológia, 14:454-7  
 Zpráva o počte ikier pstruha obyčajného čiernomorského formy potočnej (Salmo trutta labrax morpha fario) z Hnileckej údolnej nádrže (Report on the number of eggs of the brook trout, Salmo trutta labrax morpha fario, from the reservoir of Hnilec). Ru De

Contents as per title.

FAO:tl

F

Hatanaka, M. & 59-7320  
 M. Kosaka (1959)  
Tohoku J.agric.Res., 9(3):159-78  
 Biological studies on the population of the starfish, Asterias amurencis, in Sendai Bay

Studies of growth rate, fecundity, population density, feeding rate & assimilation, food & other aspects of ecology in connection with proposal to reduce abundance of these competitors with commercial fish.

SJH:sjh

M

Vesterhus, R. (1959) 59-7321  
Rep.F.A.O./E.T.A.P., (1088):37 p.  
Report to the Government of Turkey on  
the processing of fish and establishment  
of a fish preservation and quality  
control laboratory

Report of Technical Assistance mission  
which incl. some notes on location of  
resources in relation to processing  
establishments.

sjh:sjh

M

Law, P. (1959) 59-7324  
Aust.J.Sci., 12:285-94  
The IGY in Antarctica

List of stations; description of some  
of the conditions of work; account of  
some of the research & its results,  
chiefly meteorological & geological  
but dealing briefly also with  
oceanography.

GLK:glk

M

Humphrey, G.F. (1959) 59-7322  
Aust.J.Sci., 12:311  
Oceanography and marine biology  
  
Review of 59-5185.

GLK:

M

Anonymous (1959) 59-7325  
Amer.Scient., 47:234-49  
Oceanography - The science of the  
oceans



TL:

M

Tullen, K.B. (1959) 59-7323  
Aust.J.Sci., 12:279-85  
The developing pattern of Antarctic  
research

Historical review in 3 sections:  
before world war II, from that war to  
the IGY; during the IGY.

GLK:glk

M

Michelson, E.H. & 59-7326  
A.R. Schork (1958)  
Nautilus, 72(1):3-5  
Teratogeny in Australorbis glabratus  
  
BA 33(3)12090.



Jarrett, H. (Ed.) (1958) 59-7327  
Baltimore, J. Hopkins Press, 260 p.  
Perspectives on conservation

G

Carlander, K.D. (1959) 59-7330  
J.Wildlife Mgmt, 23:377-8  
Ecological life history of the  
warmouth (Centrarchidae)

Critical review of 582176.

FAC:

F

Golley, F.B. (1959) 59-7328  
J.Wildlife Mgmt, 23:371-3  
Perspectives on conservation

Critical review of 59-7327.

FAC:

G

Edminster, F. (1959) 59-7331  
J.wildlife Mgmt, 23:378  
Conservation of natural resources

Critical review of 59-2983.

FAC:

MF

Laws, R.M. (1959) 59-7329  
J.Wildlife Mgmt, 23:374-5  
Seals, sea lions, and walruses. A  
review of the pinnipedia

Critical review of 583713.

FAC:

L

Riegel, J.A. (1959) 59-7332  
J.Wildlife Mgmt, 23:379  
Marine ecology

Critical review of 59-2032.

FAC:

M

U.K. Marine Biological Association (1958) 59-7333  
Plymouth, 24 p.  
Report of the Council for 1957-58

Report on the laboratory, its equipment, aquarium & vessels, & its staff; occupation of tables, research carried out by the laboratory staff; accounts & office-bearers of the Association.

GLK:glk

M

Bruijns, M.F.M. (1959) 59-7336  
Bilthoven, mimeo, 3 p.  
Report on the numbers of oiled birds found dead on the coast of the Netherlands, 1948 - 1958

Table, by sp. & months, with interpretation.

FiB:sjh

M

U.K. Marine Biological Association (1959) 59-7334  
Plymouth, 25 p.  
Report of the Council for 1958-59

Report on the laboratory, its equipment, aquarium & vessels, & its staff; occupation of tables, research carried out by the laboratory staff; accounts & office-bearers of the Association.

GLK:glk

M

Oldroyd, H. (1958) 59-7337  
London, Hutchinson Scientific & Technical Publications, 327 p.  
Collecting, preserving and studying insects

FG

Pahari, R. (1959) 59-7335  
Occ.Pap.Indo-Pacif.Fish.Coun., (59/6)  
5 p.  
Fish production and consumption in West Java

See 59-6063. Statistics of production & consumption, & discussion of ways of increasing & improving both production & distribution.

FiB:glk

MF

Fish, G.R. (1959) 59-7338  
Occ.Pap.Indo-Pacif.Fish.Coun., (59/5)  
3 p.  
Dissolved oxygen determinations using a polarograph apparatus

Description of the principle of the method, operation, & some practical aspects of the polarograph used.

FAO:glk

MF

Herman, E. et al. (1959) 59-7339  
Publ.Wis.Conserv.Dep., (228):14 p.  
The yellow perch, its life history,  
ecology and management

Taxonomic position of Perca flavescens  
Mitchill, its distribution, appearance,  
habits & habitat, reproduction,  
growth, populations, mortality rates &  
yield, ecology, exploitation, economic  
value, & management.

WAD:glk

F

Darnell, R.M. (1959) 59-7342  
Bull.ecol.Soc.Amer., 40:68  
Invertebrates of Lake Pontchartrain,  
Louisiana

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Over 60 spp. on non-planktonic  
invertebrates have been identified.  
5 major spp. are considered to be  
permanent residents of the estuary.  
These incl. spp. of sponge, hydroid,  
clam, mussel, & crab. Quantitative  
aspects of the distribution &  
seasonal occurrence.

GLK:rmd

MF

Schuster, W.H. (1959) 59-7340  
Occ.Pap.Indo-Pacif.Fish.Coun., (59/3):  
39 p.

Synopsis of biological data on  
milkfish Chanos chanos (Forsk.) , 1775

1st draft summary & review according  
to standard pattern of information  
accumulated in Species & Stocks  
Thesaurus of FAO Fish.Div., Biology  
Branch. See 59-6108.

FiB:glk

M

Haws, T.G. & 59-7343  
C.J. Goodnight (1959)  
Bull.ecol.Soc.Amer., 40:68-9  
Some aspects of the blood chemistry of  
two species of catfish in relation to  
their habitats

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
A correlation was found for channel  
catfish & the brown bullhead. The  
bullhead has an advantage over the  
catfish in water where the oxygen  
content is low.

GLK:tgh

F

Moore, W.G. (1959) 59-7341  
Bull.ecol.Soc.Amer., 40:68  
New world fairy shrimps of the genus  
Streptocephalus

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, August 31-September 4.  
Taxonomics & distribution of the genus  
in North & Middle America are outlined.  
Certain morphological criteria not  
previously considered are discussed for  
5 published spp. & for 2 undescribed  
forms. Laboratory culture studies  
on attempted modifiability of the  
phenotype by environmental factors.

GLK:wgms

M

McNeil, C.W. (1959) 59-7344  
Bull.ecol.Soc.Amer., 40:69  
Winter survival and competition of  
Stagnicola palustris nuttalliana (Lea)  
and Physa propinqua Tryon

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Collected from natural populations in  
irrigation canals in October 1958.  
Analysis of variance of the mortality  
rates.

GLK:cwm

F



Lauff, G.H. & 59-7345  
 K.W. Cummins (1959)  
Bull.ecol.Soc.Amer., 40:70  
 The influence of substrate on stream  
 fauna distribution

Abstr. of paper presented at the 1959  
 Meeting with AIBS, University Park,  
 Pennsylvania, Aug. 31-Sept. 4.  
 Habitat preferences of certain benthic  
 macro-invertebrate groups have been  
 analyzed in relation to substrate  
 particle size. Laboratory studies have  
 indicated selection of certain forms.  
 The influence of current velocity &  
 available food materials are being

Clark, E. (1959) 59-7348  
Bull.ecol.Soc.Amer., 40:86  
 Instrumental conditioning of sharks

Abstr. of paper presented at the 1959  
 Meeting with AIBS, University Park,  
 Pennsylvania, Aug. 31-Sept. 4.  
 A male & female lemon shark, Negaprion  
brevirostris, each about 9 feet, were  
 trained to feed at a target which,  
 when pressed, caused a submerged bell  
 to ring. The target was then presented  
 without food. Experiments showed  
 individual differences in various  
 aspects of the behaviour of these  
 sharks.

GLK:ec

M

59-7345  
 (Card 2)  
 investigated in both laboratory &  
 field situations.

GLK:ghl

F

Livingstone, R., Jr. (1959) 59-7349  
Bull.ecol.Soc.Amer., 40:86

Television observations of the  
 behaviour of marine fish in a trawl net

Abstr. of paper presented at the 1959  
 Meeting with AIBS, University Park,  
 Pennsylvania, Aug. 31-Sept. 4.  
 The escape behaviour for Ammodytes  
americanus & Melanogrammus aeglefinus  
 is shown.

GLK:rl

M

Layne, J.N. (1959) 59-7347  
Bull.ecol.Soc.Amer., 40:82  
 Feeding adaptations and behaviour of a  
 freshwater dolphin, Inia geoffrensis

Abstr. of paper presented at the 1959  
 Meeting with AIBS, University Park,  
 Pennsylvania, Aug. 31-Sept. 4.  
 Field observations on the Amazon dolphin  
 indicate that it may capture fish either  
 by rapid pursuit near the surface or by  
 foraging slowly at some depth. Studies  
 on the behaviour of this sp. in  
 captivity.

GLK:jnl

F

Brawn, V.E. (1959) 59-7350  
Bull.ecol.Soc.Amer., 40:86  
 Underwater television used to observe  
 the behaviour of herring

Abstr. of paper presented at the 1959  
 Meeting with AIBS, University Park,  
 Pennsylvania, Aug. 31-Sept. 4.

GLK:

M

Tavolga, W.N. (1959) 59-7351  
Bull.ecol.Soc.Amer., 40:87  
The life history of Goby, *Rathygobius*  
soporator

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
A secretive, shallow water sp. common in tidal zones of the tropics & subtropics. Timelapse motion pictures show the development of the egg.

GLK:wnt

MF

Clark, E. (1959) 59-7354  
Bull.ecol.Soc.Amer., 40:89  
Reproductive behaviour in herma-  
phroditic fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
Each mature individual of the serranid fish, *Serranellus subligarius* regardless of size, has at the same time both motile sperm & eggs. Mating behaviour of pairs & groups of hermaphrodites show 2 types of behavioural patterns.

GLK:ec

M

Greenberg, B.S. (1959) 59-7352  
Bull.ecol.Soc.Amer., 40:88  
Recent studies of social behaviour in  
fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
Reviews subject & discusses his own work with certain substrate spawning cichlids. Ill. the newer problems & methods of analysis.

GLK:bsg

MF

Tucker, A. (1959) 59-7355  
Bull.ecol.Soc.Amer., 40:89  
Morphologic specializations and  
reproductive behaviour

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
Detailed attention is given to the family Poeciliidae. Among these viviparous fishes the copulatory organ is a modification of the anal fin. Differences in genitalia as well as differences in reproductive behaviour occur from sp. to sp.

GLK:at

F

Winn, H.E. (1959) 59-7353  
Bull.ecol.Soc.Amer., 40:88  
Ecological factors in reproductive  
behaviour of fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
A review.

GLK:sjh

MF

Wood, F.G., Jr. (1959) 59-7356  
Bull.ecol.Soc.Amer., 40:89  
Observations on predator-prey  
relations in fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.  
Observations on the behaviour of different spp. of marine fishes of widely disparate sizes, maintained in a large-tank community aquarium, indicate certain principles that seem to apply in predator-prey relationships.

GLK:fgw

M

Atz, J. (1959) 59-7357  
Bull.ecol.Soc.Amer., 40:89-90  
Psychopharmacologic drugs and fish  
behaviour

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Critical review.

GLK:sjh

MF

59-7359  
(Card 2)  
Simulaneus & of Panulirus argus  
were examined.

GLK:jmm

M

Atz, J. (1959) 59-7358  
Bull.ecol.Soc.Amer., 40:90  
Problems of stress in fish behaviour

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Review.

GLK:sjh

MF

Stout, J.F. (1959) 59-7361  
Bull.ecol.Soc.Amer., 40:93  
The reproductive behaviour and sound  
production of the satinfin shiner

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Notropis analostanus. Experimental  
procedures to determine the  
significance of the various phases of  
the reproductive behaviour & its  
associated sound production.

GLK:jfs

F

Moulton, J.A. (1959) 59-7359  
Bull.ecol.Soc.Amer., 40:92-3  
Underwater sounds of the Bermuda area

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
Summer 1958 survey of the sounds of  
marine fishes & invertebrates of shore  
& bank waters. Recordings of the  
schooling sounds of Caranx latus & C.  
ruber & of Anchoviella choerostoma.  
Modifications of behaviour through the  
playing of sounds are described. Sound-  
producing mechanisms of Alpheus &

Marrelli, R.F. (1959) 59-7362  
Bull.ecol.Soc.Amer., 40:93  
Disease and fish behaviour

Abstr. of paper presented at the 1959  
Meeting with AIBS, University Park,  
Pennsylvania, Aug. 31-Sept. 4.  
A review.

GLK:sjh

MF



Bitterman, M.E. & 59-7363  
J. Wodinsky (1959)  
Bull.ecol.Soc.Amer., 40:94  
Some experiments on learning in Tilapia

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. These are the first of a projected series of experiments on the behaviour of Tilapia macrocephala under conditions similar to those which are widely used in the study of mammalian learning.

GLK:meb

F

Brawn, V.M. (1959) 59-7366  
Bull.ecol.Soc.Amer., 40:95  
Observations on the behaviour of herring using underwater television

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. Groups of herring were placed in a submerged, mesh-covered cage with television camera attached & lowered to 20 feet.

GLK:vmb

M

Schwassmann, H.O. & 59-7364  
W. Braemer (1959)  
Bull.ecol.Soc.Amer., 40:94  
Basic principles of sun-orientation in fishes

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. No learning of the sun's movement is required for Lepomis cyanellus; Aequidens portalegrensis, a fish native to the southern hemisphere, allows for a clockwise as well as a counterclockwise sun movement before learning the local direction.

GLK:hos

F

Perlmutter, A. (1959) 59-7367  
Bull.ecol.Soc.Amer., 40:95  
Application of behavioral investigations to fisheries problems

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. General review with examples.

GLK:sjh

MF

Livingstone, R., Jr. (1959) 59-7365  
Bull.ecol.Soc.Amer., 40:94  
The use of underwater television for studying the behaviour of marine fish in trawl nets

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4. An image-orthicon television camera is used in connection with normal fishing operations of standard otter trawl nets.

GLK:rl

MG

Collins, G.B. (1959) 59-7368  
Bull.ecol.Soc.Amer., 40:95  
Fish behaviour and fishways

Abstr. of paper presented at the 1959 Meeting with AIBS, University Park, Pennsylvania, Aug. 31-Sept. 4.

GLK:

MF

Pakistan. Ministry of Food 59-7369  
& Agriculture (1959)

Karachi, Govt Pakistan Press, 90 p.  
Report of the Government of Pakistan  
to Food and Agriculture Organization  
of the United Nations (1955-1957).

Incl. section on fisheries, with  
following subheadings: Fisheries  
resources; Importance of fish in the  
economy of Pakistan; Survey &  
development work; Distribution of nylon  
twine; Mechanization of fishing craft;  
Assistance to cooperative societies;  
Karachi fish harbour; Fish industries;  
future development plans - Mekran

Hamada, S. & 59-7372  
T. Ino (1957)  
Bull. Tokai reg. Fish. Res. Lab., 16:41-8  
Ecological studies on a predator  
for commercial clams, Philine  
japonica Lischke

BA 33(3)8750.

M

59-7369  
(Card 2)

coast; West Pakistan inland fisheries;  
East Pakistan; Retail fish markets;  
Fish industries -; **Anticipated results**  
of development plans - Karachi & Sind  
coast; Mekran coast; East Pakistan -  
Main problems. Also reports of  
following technical assistance &  
special projects - Karachi fish  
harbour; cold storage, ice plant &  
marketing shed at Chittagong;  
mechanization of fishing vessels &  
transport boats.

FAO:sjh

MF

Baker, S.J.K. (1958) 59-7373  
Uganda J., 22(1):1-10  
The geographical background of  
western Uganda

BA 33(3)8765.

F

Gottlieb, E. (1959) 59-7371  
Haifa, 131 p.  
(Study of the benthos in Haifa Bay -  
Ecology and zoogeography of  
invertebrates). Iw En

Quantitative study of benthos biomass,  
description of communities & notes on  
the environmental conditions & on  
ecology & zoogeography of important  
benthic animals in the area.

FID:tl

M

McVean, D.N. (1958) 59-7374  
Trans. bot. Soc. Edinb., 37(3):200-8  
Island vegetation of some west  
highland fresh-water lochs

BA 33(3)8776.

F

Wilce, R.T. (1958) 59-7375  
Dissert. Abstr., 18(5):1591  
Studies of the marine algae of the  
Labrador Peninsula and northwest  
Newfoundland (Ecology and distribution)

BA 33(3)8785.

M

de Godoy, M.P. (1957) 59-7378  
Rev. bras. Biol., 17(4):479-90  
Marcacao de peixas no Rio Mogi Guaçu  
(Tagging fish in the Mogi Guaçu  
River)

BA 33(3)8810.

F

Caldwell, D.K. & 59-7376  
A. Carr (1957)  
Trans. N. Amer. Wildl. Conf., 22:457-63  
Status of the sea turtle fishery in  
Florida

BA 33(3)8799.

M

Hayashi, S. (1957) 59-7379  
Bull. Tokai reg. Fish. Res. Lab., 15:15-20  
(On the age of 0-age sardine in  
Mutsu Bay). Ni En

BA 33(3)8830.

M

Cole, B.T., H.J. Bennett 59-7377  
& J.D. Miller (1958)  
Proc. La Acad. Sci., 20:13-23  
Tolerance of euryhaline fish forms  
to dilutions of oil field bleed water

BA 33(3)8805.

F

Hayashi, S. (1957) 59-7380  
Bull. Tokai reg. Fish. Res. Lab., 16:7-14  
A note on scales of the pink salmon

BA 33(3)8831.

F



Kawana, T. & 59-7381  
S. Koba (1957)  
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Current researches on how we arrive at  
decisions concentrate on utility  
functions. This article deals with  
individuals' choices among pairs of  
alternatives involving only 2  
components, in situations where no  
risks are incurred. A model for  
choices of this type is detailed here  
& a test of it reported.

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Critiques of game theory

Theory of games has initiated a new mathematical approach to behavioral science based on conceptualizations entirely absent in "classical" applied mathematics. In the wake of the 1st formulation of the theory came a proliferation of new avenues of attack on old problems involving situations of interest conflict, cooperation, bargaining, & power play.

FAC:ar

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Summarizes size & age compositions of Pleuronectes platessa, Solea vulgaris, Gadus callarias, G. aeglefinus, G. merlangus, G. virens, Clupea harengus, Merluccius merluccius catches by British vessels in N. Atlantic & Arctic waters. Summarizes samples, catches per unit effort, conversion tables, histograms, etc. & gives short

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thyrsitae from Thyrsites atun;  
Gymnorhynchus (Gymnorhynchus) isuri  
from Isurus glaucus; Prochristianella  
aetobatidis from Aetobatis  
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Carter, B.T. (1957)	6709	Cushing, D.H. (1959)	6676
Carter, N.C.C. (1957)	6944	Cushing, D.H. & A.C. Burd (1959)	6675
Castell, C.H., J. Dale & M.F. Greenough (1959)	6799	Czubak, W. (1957)	7159
Centro de Cooperación Científica de la UNESCO para América Latina (1958)	6736 6737	Dale, J. (1959)	6799
Cerf, F.R. (1957)	7220	Danielewski, S. (1957)	7163
Cerf, J.A. (1957)	7215	Darbyshire, J.F. (1958)	6745
Chaine, J. (1958)	6613	Darnell, R.M. (1959)	7342
Chaloner, W.G. (1959)	7154	Davison, V.E. (1957)	7005
Chang, C.W. (1959)	6942	Dawson, E.Y. (1959)	6833
Chanin, G. & R.P. Dempster (1958)	7116	De Angelis, C.M. (1958)	6832
Chapin, H. (1958)	6849 6850	de Godoy, M.P. (1957)	7378
Chari, S.T. (1957)	7165	de Graaf, F. (1959)	6898
Chari, S.T. & R. Venkatraman (1957)	7166	de Jesus, A. (1957)	7013
Chatwin, B.M. (1959)	6816	Demel, K. (1959)	6939
Chile. Ministerio de Agricultura. Departamento de Fomento de Pesca y Caza (1958)	6864 6865 6866	Demir, M. (1959)	7266
Chin, E. (1959)	7104	Demir, N. (1959)	7267
Chipman, R.K. (1959)	7293	Dempster, R.P. (1957)	7114
Chittleborough, R.G. (1959)	7318	Dempster, R.P. (1958)	7116
Chiu, B.T. (1957)	7033	Deufel, J. (1958)	6882
Cianficconi, F. & M. Riatti (1957)	7141	Deutsches Hydrographisches Institut (1958)	6981
Clark, E. (1959)	7354	De Villafranca, G.W., T.S. Scheinblum & D.E. Philpott (1959)	7060
Clark, J.R. (1957)	6757	de Zylva, E.R.A. (1957)	7032
Clarke, A. (1957)	6996	Dickie, L.H. (1959)	7089
Clay, W.M. & B.T. Carter (1957)	6709	Dickson, W. (1958)	7411
Cole, B.T., H.J. Bennett & J.D. Miller (1958)	7377	di Giovanni, M.V. (1957)	7140
Cole, G.A. (1957)	6735	Dimitrov, M. (1957)	7131
Cole, H.A. & G.D. Vaughn (1959)	6682	Dimov, Iv. (1957)	7128
		Dingle, J.R. (1959)	6801
		Djajadiredja, R.R. (1957)	7021
		Dobie, J. (1959)	7106
		Dolan, T., C.B. Wurtz & C.H. Bridges (1959)	7082
		Donaldson, J.R. (1959)	7075

Donaldson, L.R., P.R. Olson & J.R. Donaldson (1959)	7075	Fuchs, V.R. (1957)	7400
Douglas, N.H. (1958)	6806	Fukataki, H. (1959)	7068
Drach, P. (1958)	6773 6833	Galligan, J.P. (1959)	6809
Dreosti, G.M. & W. Wesemann (1958)	6704	Gal'perin, E.I. & I.P. Kosminskaia (1958)	6917
Duarte-Bello, P.P. (1959)	6872	Galtsoff, P.S. (1957)	6754
Dunbar, C.E. (1959)	6877 7096	Gameson, A.L.H. & A.B. Wheatland (1958)	7257
Dussart, B. (1957)	6712	Ganapati, P.N., D.G.V. Prasada Rao & M.V.L. Rao (1959)	6298
E.P. (1959)	6928	Gennerich, J. (1958)	6880
Earp, B. (1958)	6857	George, J.L. (1957)	6655
Eber, L.E. (1959)	7199	Gerhardsen, G.M. (1959)	7248
Eddie, G.C. et al. (1959)	7254	Ghana Government (1958?)	6073
Edminster, F. (1959)	7331	Giannotti, F.S. & M.V. di Giovanni (1957)	7140
Ehrlich, S. (1957)	7418	Gibson, F.A. (1959)	6681 6603
Eibl-Eibesfeldt, I. (1959)	6894	Gneri, F.S. (1958)	7268
Eipper, A.W. & H.B. Brumsted (1958)	6664	Goldie, E.H. (1959)	6627
Ellis, C.H. (1958)	6856	Golley, F.B. (1959)	7328
Ericson, D.B. (1959)	7181	Goodhart, C.B. (1959)	6764
Esguerra, R.S. (1957)	7015	Goodnight, C.J. (1959)	7343
Everhart, W.H. (1958)	6721	Gopalakrishnan, V. (1957)	7145
Fagot, R. (1959)	7392	Gottlieb, E. (1959)	7371
Falconer, D.S. (1959)	7206	Grabda, J. (1958?)	6760
Ferguson, E., Jr. (1958)	7442	Graham, C.J. (1957)	6665
Fields, P.E. (1957)	7213 7214	Grasset, O. (1957)	6932
Filice, F.P. (1958)	6689	Grayce, R.L. (1957)	7420
Finger, G.L. & P.E. Fields (1957)	7213	Greenberg, B.S. (1959)	7352
Finza Perestrelo, J. (1959)	6649	Greenfield, L. et al. (1958)	6965
Fish, G.R. (1957)	7034	Greenough, M.F. (1959)	6799
Fish, G.R. (1959)	7338	Griffiths, J.W.R. (1958)	7280
Fisher, E.L. (1958)	6992	Griffo, J.V., Jr. (1957)	7421
Fisher, L.R. & E.H. Goldie (1959)	6627	Gross, J. (1959)	7058
Fleming, R.H. (1959)	7305	Guhl, A.W. (1958)	6711
Fletcher, T.J. (1959)	6997	Gunther, A.E. (1959)	7309
Flood, E. (1958)	7409	Gurzęda, A. (1957)	7158
Fogg, G.E. (1959)	7155	Gushchin, V.F. (1958)	6916
FAO (1959)	7171	Guzman Barron, E.S. (1958)	6786
FAO. Fisheries Division (1957)	7041	Hagmeier, E. (1957)	6972
FAO. Fisheries Division, Biology Branch (1957)	7040	Hallam, J.C. (1959)	6796
Forbes, A. et al. (1958)	7219	Hamada, S. & T. Ino (1957)	7372
Forrester, W.D. (1958)	7183	Hammond, R.J. (1959)	7399
Forster, G.R. (1959)	6633	Hamoir, G. (1958)	7144
France. Office de la Recherche Scientifique et Technique Outre-Mer (1959)	6845	Hane, S. (1959)	6688
Fraser, F.C. (1957)	7419	Hansen, P. (1959)	7210
Freeman, B.O. (1959)	6890	Hardy, A.C. (1958)	6783
Fridriksson, A. (1959)	6667 7250	Harrison, R.J. (1957)	7422
Frost, W.E. & C. Kipling (1959)	6679	Harrisson, T. (1957)	7423
		Hartman, O. (1959)	6888
		Hartman, W.L. (1958)	7113
		Hasler, A.D. (1958)	6822
		Hatanaka, M. & M. Kosaka (1959)	7320



Haws, T.G. & C.J. Goodnight (1959)	7343	IPFC (1957)	7003	7037	7042	7043
Hay, K. (1958)	6660		7049			
Hayashi, S. (1957)	7012 7379	7380	IPFC (1958)			6748
Heard, W.R. (1958)	6703	6703	IPFC (1959)			7174
Heg, H.T. (1958)	6855	6855	Inland Fisheries Trust			
Heiliger, D.B. (1959)	7103	7103	Incorporated (1957)			6814
Henderson, C., Q.H. Pickering & C.M. Tarzwell (1959)	7079	7079	Inland Fisheries Trust			
Hennemuth, R.C. (1959)	7001	7001	Incorporated (1958)			6815
Hensley, M.M. (1957)	6803	6803	Ino, T. (1957)			7372
Hepher, B. (1959)	7241	7241	IHB (1959)			7237
Herald, E.S. & R.P. Dempster (1957)	7114	7114	Irwin, W.H. (1959)			7102
Herman, E. et al. (1959)	7339	7339	Isaac, W.E. (1959)			7064
Hess, E.H. (1959)	7177	7177	Istoshin, Iu.V. (1957)			6984
Hickling, G. (1957)	7424	7424	Ito, N. (1958)			6979
Hickman, C.P., Jr. (1958)	6732	6732	Ivanov, L.S. (1957)			7124
Hill, R.A. (1959)	7194	7194	Iverson, J.L. (1958)			6701
Hirata, H. (1957)	7011	7011	Iwata, F. (1957)			6731
Hirst, E.L. (1958)	6613	6613	Iyengar, S.R., V.G. Krishnan & V.V. Kelkar (1957)			7146
Hjul, P. (1959)	6925	6925	Jain, S.L. (1958)	6962		7434
Holmes, R.W. (1959)	7190	7190	Japan. Meteorological			
Holt, S.J. (1959)	6685 7246	7246	Agency (1957)			6982
Holt, S.J. et al. (1959)	6671	6671	Jarnefelt, H. (1958)			6726
Honma, M. & T. Kamimura (1957)	7023	7023	Jarrett, H. (1958)			7327
Hoed, D.W. (1958)	6694	6694	Jebsen, J.W. & G. Hamoir (1958)			7144
Hoopes, D.T. (1959)	7090	7090	Jenkinson, D.W. (1959)			7225
Hopkins, D.M. (1959)	7304	7304	Jensen, A.C. (1958)			6879
Hopkins, W.L. (1957)	6666	6666	Jitts, H.R. (1959)			7234
Hosillos, L.V. (1957)	7022	7022	Job, T.J. (1957)			7008
Houser, A. & M.G. Bross (1959)	7083	7083	Johnson, D.E. (1958)			7221
Houser, A. & W.R. Heard (1958)	6703	6703	Johnson, D.E. & P.E. Fields (1957)			7214
Houston, A.H. (1958)	6715	6715	Johnson, D.S. (1958)			6807
Howie, D.I.D. (1959)	6637	6637	Johnson, J.H. (1958)			6963
Hubbs, C.L. & K.F. Lagler (1958)	6716	6716	Johnson, M.C. & V.E. Davison (1957)			7005
Hubendick, B. (1958)	7449	7449	Johnson, P.O. (1958)			6644
Hubricht, L. (1958)	7450	7450	Johnson, R.G. (1959)			6795
Hulsey, A.H. & J. Stevenson (1959)	7095	7095	Jolas, P. (1958)			6969
Humphrey, G.F. (1959)	6794 7322	7322	Joly, R. (1958)			6617
Hunt, B.P. (1958)	7451	7451	Jones, I.C. (1957)			6686
Hyman, L.H. (1959)	6618	6618	Jones, J.W. (1959)	7188		7207
			Jones, N.R. (1959)			7255
			Jones, W.H. (1958)			7443
			Judd, W.W. (1958)			6728
Idler, D.R. (1959)	6813	6813	Kabata, Z. (1959)			6622
Idler, D.R. & I. Bitners (1959)	6800	6800	Kafuku, T. (1958)			6909
Idler, R. & Schmidt (1959)	6687	6687	Kalk, M. (1958)			7065
India. Ministry of Food & Agriculture (1958)	6896 6897	6897	Kalk, M. (1959)			7063
India. Zoological Society (1958)	7055	7055	Kamimura, T. (1957)			7023
			Karaman, S.L. (1959)			7265
			Karapetkova, M. (1957)	7125		7126

Kasprzyk, Z. & M. Calvin (1959)	7223	LaFond, E.C. (1959)	7195
Kato, A. & T. Shimomura (1959)	7072	Lagler, K.F. (1957)	6812
Kawamoto, N.Y. (1957)	7029	Lagler, K.F. (1958)	6716
Kawana, T. & S. Koba (1957)	7381	Lake, J.S. (1959)	6904
Kawasaki, N. (1958)	6905	Lambou, V.W. (1959)	7076
Keir, R.S. (1959)	7251	Langlo, K. (1957)	6968
Kelkar, V.V. (1957)	7146	Larkin, P.A. (1959)	7081
Kelly, P.B., R. Reiser & D.W. Hood (1958)	6694	Laseron, J.F. (1959)	7153
Kelly, W.H. (1959)	6950	Lauff, G.H. & K.W. Cummins (1959)	7345
Kelly, W.H. & H.A. Loeb (1959)	6249	Laughton, A.M. (1959)	7205
Kendell, R. (1958)	7282	Law, P. (1959)	7324
Kenyon, K.W. (1957)	7425	Laws, R.M. (1959)	7329
Kes, A.S. (1958)	6765	Layne, J.N. (1957)	7417
Khlopov, V.V. (1958)	6215	Layne, J.N. (1959)	7347
Khvan, A.P. (1958)	6922	Legen'kov, A.P. (1958)	6920
Kikawa, S. (1957)	7027	Lenier, R. (1959)	6926 6934
Kimura, S. & Y. Matida (1958)	7112	Lerner, M.L. (1959)	6911
King, J.A. (1958)	7222	Lerner, I.M. (1958)	7057
King, T.A. (1957)	6970	Lewin, R.A. (1958)	6829
Kipling, C. (1959)	6679	Li, H.-L. (1959)	7184
Kirkwood, J.B. (1957)	7382	Li, P. (1959)	7185 7186
Kisch, B.S. (1958)	6616	Libby, W.F. (1959)	7224
Kitaigorodskii, S.A. (1957)	6988	Lindquist, A. (1959)	7313
Kjennerud, J. (1958)	6810	Ling, J.K. (1958)	6903
Klave, M.L. (1958)	6708	Lister, B.A.J. (1959)	6994
Koba, S. (1957)	7381	Little, E.M. (1959)	7196
Kobayashi, S. & H. Hirata (1957)	7011	Livingstone, R., Jr. (1959)	7342 7365
Kohn, A.J. (1958)	6831	Llewellyn, J. (1957)	7283 7284
Kolesnikov, A.G. & A.A. Speranskaia (1958)	6924	Lobachev, M.L., V.D. Sevateev & V.G. Marsuin (1959)	7271
Kolesnikov, A.G. & I.I. Speranskaia (1958)	6923	Lockley, R.M. (1957)	7426
Kon, S.K. (1958)	6790	Lockwood, A.P.H. (1958)	6645
Kontoboitseva, N.V. (1958)	6914	Loeb, H.A. (1959)	6948 6949
Kosaka, M. (1959)	7320	Lommicki, A. (1957)	7427
Kosminskaia, I.P. (1958)	6917	Longuet-Higgins, M.S. (1957)	6977
Kostina, A.F. (1958)	6921	Loosanoff, V.L. (1958)	6824
Kozicka, J. (1957)	7432	Lovell, H.B. (1958)	6811
Kray, A. (1959)	6762	Lovern, J.A., J. Olley & H.A. Watson (1959)	7259
Krishnamoorthi, K.P. (1958)	6955	Lowman, F.G., R.F. Palumbo & D.J. South (1957)	7122
Krishnan, V.G. (1957)	7146	Lyman, H. (1958)	6802
Krishnaswamy, S. (1958)	6952	MacArthur, R.H. (1959)	7300
Krishnaswamy, S. (1959)	6623	Machinaka, S. (1959)	7071
Kriss, A.E. (1959)	6669	Mackenthun, K.M. & C.D. McNabb (1959)	6805
Kubota, S.S. (1957)	7115	Macklin, R. (1959)	7099
Kurc, G. & A. Percier (1959)	6935	MacLeod, R.A. & E. Onofrey (1957)	6697
Kuronuma, K. (1957)	7048	Macnane, W. & H. Kalk (1958)	7065
Kutkuhn, J.H. (1958)	6889	MacPhail, J.S. & J.C. Medcof (1959)	7226





Otsu, T. & R.N. Uchida (1957)	7010	Ramamoorthi, K. (1958)	6954
Pahari, R. (1959)	7335	Ramirez Granados, R. (1958)	7310
Pakistan. Ministry of Food & Agriculture (1959)	7369	Raney, E.C. (1957)	6730
Paloumpis, A.A. (1958)	6891	Rangarajan, K. (1958)	6956
Palumbo, R.F. (1957)	7122	Rao, D.G.V. Prasada (1959)	6998
Pantom, E.O. (1957)	6758	Rao, M.V.L. (1959)	6998
Patten, B.C. (1959)	7287	Rapoport, A. (1959)	7393
Patwardhan, S.S. (1958)	7446	Rapson, A.M. (1957)	7035
Paulhus, P. (1959)	7316	Rashley, F.J. & J.B. Rutherford (1959)	7245
Pautzke, C.F. (1958)	6853	Rass, T.S. (1959)	6672
Pearsall, W.H. (1959)	7156	Rato, J.M. (1959)	7062
Pêcheurs Unis de Quebec (1959)	6761	Ray, D.L. (1958)	6825
"Pekoe" (1959)	7240	Ray, D.L. & D.E. Stuntz (1959)	7209
Pennak, R.W. (1958)	6705	Redfield, A.C. (1958)	6771
Percier, A. (1959)	6935	Regan, D. & A. Yaple (1959)	7093
Perlmutter, A. (1959)	7367	Regier, H.A. (1959)	6717 to 6720
Pertsev, B.P. (1958)	6919	Reid, J.L., Jr. (1959)	7128
Pesnov, P.I. (1958)	6916	Reiser, R. (1958)	6694
Petkovski, T.K. (1959)	7263 7264	Reish, D.J. (1959)	7296
Petrova, V.I. (1957)	7129	Reynolds, E.S. & S.P. Meyers (1959)	7208
Phillips, J.G. & I.C. Jones (1957)	6683	Riatti, M. (1957)	7141
Philpott, D.E. (1959)	7060	Rice, N.E. (1958)	7438
Pickering, Q.H. (1959)	7079	Rich, W.H. (1957)	6844
Pickford, G.E. (1959)	7187	Rich, W.H. (1958)	6843
Picotti, M. (1957)	7135 7137	Rich, W.H. (1959)	6937
Piez, K.A. & J. Gross (1959)	7058	Richards, A.F. & B.H. Brattstrom (1959)	7387
Pillay, T.V.R. & B. Bose (1957)	7007	Richardson, W.H. (1959)	7190
Pittendrigh, C.S. (1958)	6788	Ridenhour, R.L. (1958)	7385
Plack, P.A. (1957)	6946	Riedl, R. (1958)	6775
Pore, A. (1957)	6991	Riegel, J.A. (1959)	7332
Postel, E. (1958)	6943	Riggs, C.D. & K.E. Sneed (1959)	7084
Powell, D.E. (1959)	7107	Robins, J.P. (1958)	7143
Powers, C.F. (1958)	6663	Robinson, E.S. (1959)	7395
Priol, E. (1959)	6929	Rohde, W., A. Vollenweider & A. Nauwerck (1958)	6791
Prost, M. (1957)	7433	Romaniuk, V.A. (1958)	6913
Provasoli, L. (1958)	6818	Ronquillo, I.A. & A. de Jesus (1957)	7013
Pruginin, J. (1959)	7244	Ronquillo, I.A. & E. Villomater (1957)	7014
Pruginin, J. & A. Ben-Ari (1959)	7243	Rosa, H., Jr. (1957)	7039
Przewlocki, K. (1957)	7160	Rotschi, H. (1958)	7167 7168
Puckett, C.A., Jr. (1958)	7384	Rozhdestvenski, A.V. (1957)	7132 7133
Queen, J. (1959)	7294	Rusev, B. (1957)	7130
Rabanal, H.R. (1957)	7015	Rusev, B. & Iv. Dimov (1957)	7128
Rabanal, H.R. & L.V. Hosillos (1957)	7022	Rutherford, J.B. (1959)	7245 7249
Rae, K.M. (1958)	6770	Ruud, K. (1959)	7261
Raikov, I.B. (1958)	7148	Ryther, J.H. (1959)	6670
Ralph, P.M. (1959)	6634	Ryzhkov, Iu. G. (1958)	6766

Saanin, H. (1957)	7038	Smith, J.L.B. (1958)	6741	to	6744
Sandeman, E.J. (1958)	7407	Smith, J.L.B. (1959)			6846
Santos Pinto, J. dos (1958)	6900	Smith, P.W. &			
Sarojini, K.K. (1957)	7031	M.M. Hensley (1957)			6803
Sathyanesan, A.G. (1959)	6999	Sneed, K.E. (1959)			7084
Saru, J.F.T. &		Sneed, K.E. &			
L.E. Eber (1959)	7199	C.E. Cozort (1959)			7098
Scalfati, G. (1959)	6886	Snow, J.R. (1959)			7097
Scheer, B.T. (1958)	6691	Soekarno, R. (1959)			6940
Scheffer, V.B. (1957)	7429	Soeseno, R.S. (1957)			7020
Scheinblum, T.S. (1959)	7060	Solomon, M.E. (1959)			7299
Schiffman, R.H. (1959)	6722	Sommani, E. (1957)			7138
Schlieker, E. (1957)	7408	South, D.J. (1957)			7122
Schmidt (1959)	6687	Spain. National FAO Committee (1957)			6642
Schmulbach, J. (1958)	7386	Speranskaia, A.A. (1958)			6924
Schork, A.R. (1958)	7326	Speranskaia, I.I. (1958)			6923
Schubert, E. (1958)	7260	Sprague, J.B. (1959)			6724
Schultz, L.P. (1958)	6706	Springer, P.F. (1958)			6654
Schultz, L.P. (1959)	7175	Sriramulu, V. (1958)			6959
Schuster, W.H. (1959)	7340	Stepanek, M. et al. (1958)			6808
Schwartzkopff, J. (1959)	7051	Stern, J.A. (1957)			6755
Schwassmann, H.O. &		Stevenson, J. (1959)			7095
W. Braemer (1959)	7364	Stock, J.H. (1959)			6899
Scotland. Ministry of Agriculture,		Stohler, R. (1959)			7388
Fisheries & Food & Scottish		Stoianov, S. (1957)			7123
Home Department (1959)	7396	Stout, J.F. (1959)			7361
Scott, A. (1959)	7247	Strasburg, D.W. (1959)			6673
Scott, D.M. &		Stride, A.H. (1959)			6629
W.R. Martin (1959)	6798	Stuntz, D.B. (1958)			7209
Scuderi, I. (1957)	7139	Suginome, M. (1958)			7110
Seravin, L.N. (1958)	7149	Sugiura, J. (1958)			6989
Seshaiya, R.V. (1959)	7000	Sulit, J.I., R.S. Esguerra &			
Sevvateev, V.B. (1959)	7271	H.R. Rabanal (1957)			7015
Seymour, A. (1959)	7085	Suomela, A.J. (1959)			7405
Shapiro, J. (1957)	7413	Suttkus, R.D. (1957)			6756
Shaver, J.R. (1958)	6707	Swaminathan, S. (1958)			6961
Shaver, R.H. (1958)	7447	Swarup, H. (1958)			6958
Shelton, G. (1957)	6947	Swenne, L. (1959)			7258
Shen, C.-J.		Swingle, H.S. (1959)			7077
H.-L. Li (1959)	7184	Szent-Györgyi, A. (1958)			6787
Shepard, F.P. (1959)	7178				
Shepard, M.P. (1959)	7225	Takeya, T. (1958)			6906
Shimomura, T. (1959)	7073	Tampi, P.R.S. (1958)			6953
	7074	Tartar, V. (1958)			6964
Shiraishi, Y. &		Tarzwel, C.M. (1959)			7079
E. Tokunaga (1958)	6908	Tauc, L. (1959)			6836
Shirase, S. &		Tavolga, W.N. (1959)			7351
R. Yanagimachi (1957)	7443	Templeman, W. &			
Shuleikin, V.V., V.F. Gushchin &		E.J. Sandeman (1958)			7407
P.I. Pesnov (1958)	6916	Tester, A.L. (1957)			7036
Siebenaler, J.B. (1957)	7417	Thomas, G.J. (1957)			7215
Singer, B. (1958)	7431	Thomas, H.J. (1959)			6680
Sirén, A. (1957)	6987	Thompson, R.D. (1959)			7108
Slobodkin, L.B. (1959)	7288	Thompson, T.E. (1959)			6621
Smayda, T.J. (1959)	6668	Thompson, W.C. (1959)			7200
Smith, A.R. (1958)	6648	Thomson, A. (1959)			6723
Smith, F.G.W. &		Thomson, J.M. (1959)		7151	7319
H. Chapin (1958)	6849	Thorpe, W.H. (1958)			6820
	6850				



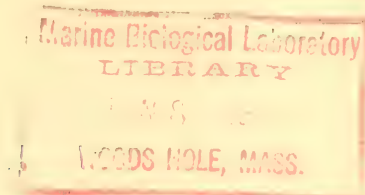
Thorpe, W.H. (1959)	6763	Von Eitzen, J. (1957)	6699
Thorson, G. (1958)	6776	von Haartman, L. (1959)	6725
Thorson, T.B. (1959)	7176		
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Tokunaga, E. (1958)	6908	Walker, F.T. (1957)	7117
Tonolli, L. (1958)	6781	Ward, F.J. (1959)	6901
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Tubb, J.A. (1959)	6749	Watson, H.A. (1959)	7259
Tucker, A. (1959)	7355	Waugh, G.D. (1959)	6682
Tucker, M.J. (1959)	7053	Webbe, G. (1957)	6656
Tyler, J.E. (1959)	7201 7202	Webster, D.A., W.G. Bentley & J.P. Galligan (1959)	6809
Tyler, J.E., W.H. Richardson & R.W. Holmes (1959)	7190	Weir, T. (1957)	7430
		Welsby, V.G. (1958)	7281
		Werner, W.E., Jr. (1958)	7301
Uchida, R.N. (1957)	7010	Wesemann, W. (1958)	6704
Ueyanagi, S. (1957)	7025	Western Australia. Fisheries Department (1959)	6752
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U.K. Herring Industry Board (1959)	6910	Wheeler, A.C. (1958)	7120
U.K. Hydrographic Department (1959)	6760	Whitehouse, J.W. (1958)	7279
U.K. Marine Biological Association (1958)	7333	Whitney, A.N. & J.E. Bailey (1959)	7088
U.K. Marine Biological Association (1959)	7334	Wickham, J.B., J. Blondin & J. Negele (1959)	7203
U.K. White Fish Authority (n.d.)	7142	Wieniawski, J. (1957)	7161
U.N. Economic & Social Council (1958)	6746	Wieser, W. (1958)	6774 6826
U.N. Statistical Office Department of Economic Affairs (1959)	7252 7253	Wiesner, (1958)	7256
U.S. Department of the Interior. Fish & Wildlife Service (1957)	7118	Wilce, R.T. (1958)	7375
U.S. Fish & Wildlife Service (1957)	7045	Wilkinson, L. (1959)	7169
U.S. National Academy of Sciences, National Research Council (1959)	7398	Williams, H.H. (1958)	7436
		Wilson, D.M. (1959)	6893
		Wilson, D.P. (1958)	6778
		Winn, H.E. (1952)	7353
		Winn, H.E. & J.E. Bardach (1959)	7290
		Witt, A., Jr. & R.S. Campbell (1959)	7080
Vaas, A. & van Oven (1957)	7018 7019	Wlodok, S. (1957)	7162
Vaas, K.F. (1957)	7016 7017	Wodinsky, J. (1959)	7363
Vannucci, M. (1957)	7439	Wodinsky, J. & M.E. Bitterman (1957)	7217
Van Oosten, J. (1957)	6651	Wolf, K. & C.E. Dunbar (1959)	6877
van Oven, (1957)	7018 7019	Wood, F.G., Jr. (1959)	7356
Vasco Costa, F. & J. Finza Perestrelo (1959)	6649	Wood, J.D. (1958)	6702
Velasquez, C.C. (1958)	7435	Wood, R.J. (1959)	6674
Venkatraman, R. (1957)	7166	Woodall, A.N. (1959)	7091
Venkatraman, R. & S.T. Chari (1957)	7165	Woodhead, A.D. (1959)	6638 6639
Verduin, J. (1959)	7298	Wotiz, H.H. et al. (1958)	7410
Vesterhus, R. (1959)	7321	Wüst, G., E. Noodt & E. Hagmeier (1957)	6972
Vibert, R. (1958)	6615	Wunder, W. (1958)	6881
Vickers, T. (1958)	6646	Wurtz, C.B. (1959)	7082
Villamater, E. (1957)	7014		
Vogel, H.J. (1959)	7061		
Voigt, M. (1957)	7440	Yabuta, Y. & M. Yukinawa (1957)	7028
Vollenweider, A. (1958)	6791		



Yale, D.E. (1957?)				6652
Yamamoto, T.S. (1957)				7437
Yamanaka, H. (1957)				7024
Yanagimachi, R. (1957)				7448
Yaple, A. (1959)				7093
Yentsch, C.S. & J.H. Ryther (1959)				6670
Yokote, M. (1958)				7109
Yonge, C.M. (1958)	6780			6834
Yonge, C.M. (1959)				6626
Yukinawa, M. (1957)				7028
Zakharov, L.A. & Iu.V. Istoshin (1957)				6984
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Zenkevitch, L. (1958)				6772
Zinov'eva, E.G. (1958)				7147
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Anonymous (1958)	6696 6938	6698	6714	6739
Anonymous (1959)	6650 6876 6936 7100 7212 7239	6727 6892 6993 7105 7227 7306	6874 6927 7052 7204 to 7325	6875 6930 7054 7211 7230 7391

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

prepared by  
Biology Branch, Fisheries Division



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Curr.Bibliogr.aquat.Sci.Fish., 2(9)

Rome, November 1959

containing: taxonomic index 2(7), geographic index 2(7), references and  
author index to, 59-7453 - 59-8664

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[2.1(2)]





## Errata

Please note that taxonomic index 2(6) and geographic index 2(6) are included in 2(8) and not in 2(7) as mentioned on cover sheet.

Please substitute annotation 59-6513 with: "A statistical test to determine accuracy of random sampling of a population. Special reference to a shear-water population is given". FG

Please add to the title 59-6474: "Yugoslavia - Twenty years after".

Please add to the annotation 59-4663: "Brief account of the symposium on "Measurements of primary production in the sea" & of some of the points ....."

59-4550	Cyptinids	should read	cyprinids
4579	mediterranea	" "	<u>mediterranea</u>
4585	Lxuviella	" "	<u>Lxuviella</u>
4633	orders	" "	families
4653	bigger	" "	lugger
4706	...sk eels	" "	cusk eels
4858	Clupeonellae	" "	<u>Clupeonella</u>
4997	pauloae	" "	<u>paulose</u>
4998	(Mansonioides)	" "	( <u>Mansonioides</u> )
5006	memertean	" "	nemertean
5265	Urosalpinx	" "	<u>Urosalpinx</u>
5314	MF	" "	G
5376	Daphniidae	" "	Daphniidae
5380	Gonaf	" "	Gonad
5388	<u>Bichhornia</u>	" "	<u>Eichhornia</u>
5409	nets	" "	sets
5407	F	" "	
5496	lineata	" "	<u>lineata</u>
5518	Copeoptera	" "	Coleoptera
5580	Chironomides	" "	chironomids
5608	<u>Ichthyomyzon</u>	" "	<u>Ichthyomyzon</u>
5614	Eighty	" "	Eight
5621	sale	" "	sole
5651	<u>Kinorhyncha</u>	" "	<u>Kinorhyncha</u>
5639	1L99-100	" "	1:99-100
5837	Age, T.	" "	Abe, T.
5997 (page 37)		" "	59-5897
6022	<u>Moxistoma</u>	" "	<u>Moxostoma</u>
6068	<u>Osteocheilus</u>	" "	<u>Osteochilus</u>
6185	metidjensis	" "	<u>metidjensis</u>
6196	Physa	" "	<u>Physa</u>
6196	Melanopsis	" "	<u>Melanopsis</u>
6233	(Gastropoda, holothurian	" "	(Gastropoda, holothurian)
6452	<u>Anguilla</u>	" "	<u>Anguilla</u>
6581	Burm	" "	Burma

Please delete numbers 59-2548 & 59-3461.



Addenda

Koster, W.J. (1957) 570924  
Univ. New Mexico Press, Albuquerque,  
116 p.  
Guide to the fishes of New Mexico

A preliminary account of the fishes of New Mexico, published pending the completion of a detailed study in preparation by the author. The present publication is indicated as intended for popular use, & is undocumented.

:clh

MF

Fox, D.L. (1957) 570543  
In 570208:367-85  
The pigments of fishes  
A general review. (issued as: Contr. Scripps Instn Oceanogr., (919), 1958).

FAO:sjh

MF

Chhapgar, B.F. (1957) 59-1263  
J.Bombay nat.Hist.Soc., 54(3):503-49  
On the marine crabs (Decapoda: Brachyura) of Bombay State - II.

BA 32(12)42351. Second of a 2-part work, 3 families, 12 genera & 27 spp. are considered. Synonymy, description & distribution are given for each. A key for 81 spp. Geographic distribution & ecological adaptations discussed.

:ba

M

Zobell, C.E. & 571851  
R.Y. Morita (1957)  
J.Bact., 73(4):563-8  
Barophilic bacteria in some deep sea sediments

Bacterial populations ranging from  $10^3$  to  $10^6$  per g of wet mud were demonstrated in several samples taken from depths of 7,000 to 10,000 m. or more. (issued as: Contr.Scripps Instn Oceanogr., (913), 1958).

FAO:cez

M

Travassos, H. & 59-2097  
S.Y. Pinto (1957)  
Bol.Mus.nac.Rio de J., (169):16 p.  
Ictiofauna de Pirassununga - III. Família Cichlidae (Perciformes, Actinopterygii (Ichthyofauna at Pirassununga - III. Family Cichlidae - Perciformes, Actinopterygii)

BA 32(12)42510. Detailed redescription of Grenicichla jaguarensis & Geophagus brasiliensis captured in Rio Mogi-Guaçu.

:sjh

F



Arnoult, J. (1957) 59-2683  
Bull.Mus.Hist.nat., Paris, 29(6):464-6  
 Sur quelques poissons rares et peu connus des eaux douces de France (Concerning some rare and little known fish from the fresh waters of France)

BA 32(12)42497. Discussion of Misgurnus fossilis, several spp. of Cyprinodon & Fundulus hispanicus.

:ba

F

Guibé, J. & J. Spillmann (1957) 59-3225  
Bull.Mus.Hist.nat., Paris, 29(6):462-3  
 Au sujet de quelques types de cyprinidés (Poissons) de Cuvier et Valenciennes (Concerning some types of cyprinids, fish)

BA 32(12)42502. Osteochilus vittatus (C. & V.) & O. hasseltii (C. & V.) are identical. Leuciscus presbyter is a synonym of Barbus amphibius.

:ba

F

Bauchot, M.-L., R. Bauchot & P. Laubet (1957) 59-2723  
Bull.Mus.Hist.nat., Paris, 29(5):385-406  
 Etude de la faune ichthyologique du Bassin d'Arcachon (Gironde) (Study of the fish fauna of the Basin of Arcachon)

BA 32(12)39487. Fishes are listed, together with notes on synonymy & ecology. Various zones & ecological communities are described.

:ba

RF

Guinot, D. (1958) 59-3226  
Bull.Mus.Hist.nat., Paris, 30(3):276-84  
 Sur une collection de décapodes brachyours (Portunidae et Xanthidae) de l'Ile Mayotte - II. Xanthidae (On a collection of brachyuran decapods, Portunidae & Xanthidae, from Mayotte Island - II. Xanthidae)

BA 33(12)47284. Annotated report on 5 spp. in 4 genera from the Island of Mayotte.

:ba

M

Greenwood, P.H. (1957) 59-3215  
Uganda J., 21(2):191-219  
 The fishes of Uganda - IV.

BA 32(12)42501. Concluding part, dealing with the order Microcyprini, Percomorphi, Opisthomi. Diagnoses of families & genera, keys where required descriptions of spp., native names, notes on economic importance, ecology, or habitats, data on food & breeding where known, & distribution.

:ba

F

Forest, J. (1958) 59-3403  
Bull.Mus.Hist.nat., Paris, 30(3):285-90  
 Les pagures du Viet-Nam - II. Sur quelques espèces du genre Calcinus Dana (The hermit crabs from Viet-Nam - II. On some species of the Calcinus Dana)

BA 33(12)47280. C. vachoni, C. pulcher & C. aff. spicatus are described.

:ba

M

Wells, M.J. & 59-6172  
J. Wells (1958)  
J.exp.Biol., 35(2):337-48  
The effect of vertical lobe removal on  
the performance of octopuses in  
retention tests

BA 32(12)39479: Following removal of  
lobes from their brains, octopuses  
required more trials to attain a  
prescribed standard of accuracy of  
response in a learned tactile  
discrimination than did controls.  
Concluded vertical lobe enhances effect  
of experiences during establishment of  
memories, but does not contribute to  
their maintenance.

:ba

M

Finger, G.L. & 59-7213  
P.E. Fields (1957)  
Tech.Rep.U.Wash.Sch.Fish., (34):25 p.  
The role of light adaptation on  
negative phototaxis in silver  
(Oncorhynchus kisutch)

FA 33(1)511.  
SFA 3(3)1864. Eighty-four groups of  
25 yearling salmon were each given 3  
successive trials to a light guiding  
situation in flowing water to  
determine the extend of light  
avoidance when each of 3 light barrier  
illuminations were paired, in 7  
combinations, with different  
environmental brightnesses.

:sfa

MF

Williams, F. (1958) 59-5410  
Ann.Mag.nat.Hist., 1B(6):369-430  
Fishes of the family Carangidae in  
British East African waters

Thirty spp., one new, of 12 genera are  
described from Kenya, Tanganyika &  
Zanzibar. Genera & sp. keys are given  
& ecological distribution & taxonomic  
notes.

FiB:hr

M

Johnson, D.E. & 59-7214  
P.E. Fields (1957)  
Tech.Rep.U.Wash.Sch.Fish., (35):56 p.  
The application of certain  
conditioning and handling techniques  
to the guidance of downstream migrant  
salmon

PA 33(1)526.  
SFA 3(3)1865. Effects on light  
avoidance behavior of yearling  
Oncorhynchus kisutch of anesthetization,  
tattooing, exposure to dim light &  
to pulsed A.C. electroshock singly &  
paired in conditioning situations were

Smith, J.L.B. (1958) 59-6744  
S.Afr.J.Sci., 54:319-22  
Rare fishes from South Africa

Rare spp. described & ill.: Cubiceps  
squamiceps, Remilegia australis, Laputa  
cingalensis, Tydemania investigatoris &  
Malthopsis lutea.

FAO:hr

M

59-7214  
(Card 2)  
studied in a circular tank & a  
shuttlebox apparatus.

:sfa

MF

DiCostanzo, C.J. (1957) 59-2674  
Iowa St. Coll. J. Sci., 32(1):19-34  
Growth of bluegill, Lepomis macrochirus,  
and pumpkinseed, L. gibbosus, of Clear  
Lake, Iowa

SFA 3(3)1817. Age & growth  
determinations from scales collected  
from 1947 to 1954.

:sfa

F

Ross, R.D. (1958) 59-2492  
Tech. Bull. Va agric. Exp. Sta., (136):20 p.  
Races of the cyprinid fish: Campostoma  
anomalum pullum (Agassiz) in eastern  
United States

SFA 3(3)1753. Named for the streams they  
occupy: the Upper Allegheny River race,  
Upper Genesee River race, Upper  
Susquehanna River race, & Upper Fall  
Creek subrace.

:sfa

F

Hartman, W.L. (1958) 59-7113  
N.Y. Fish Game J., 5(2):205-12  
Estimation of catch and related  
statistics of the stream rainbow trout  
fishery of the Finger Lakes region

SFA 3(3)1751. Creel census conducted  
during opening week of stream fishing  
in 1955, 1956, & 1957. Estimates of  
total catch & related statistics were  
derived from the collected data. Data on  
distribution of fish among successful  
fishermen permitted evaluation of  
present creel limit.

:sfa

F

Beadle, L.C. (1958) 59-3062  
J. exp. Biol., 35:556-66  
Measurement of dissolved oxygen in  
swamp waters. Further modification of  
the Winkler method

SFA 3(3)1702. Modification of the  
iodine-difference method is  
described which involves a preliminary  
clarification of a single sample, from  
which two smaller samples were  
siphoned. This makes possible  
estimations on extremely muddy &  
polluted water & avoids an error in  
the standard iodine-difference method  
which is very large with highly  
polluted waters.

:sfa

F

Morris, R. (1958) 59-5531.  
J. exp. Biol., 35:649-65  
The mechanism of marine osmoregulation  
in the lamprey (Lampetra fluviatilis  
L.) and the causes of its breakdown  
during the spawning migration

SFA 3(3)1703. Describes experiments.

:sjh

MF

Sundnes, G., T. Enns & 59-5532  
P.F. Scholander (1958)  
J. exp. Biol., 35:671-6  
Gas secretion in fishes lacking rete  
mirabile

SFA 3(3)1701. Studied in 3 spp. of  
salmonids, one of which accumulates  
both nitrogen & oxygen against  
considerable gradients, while the  
other 2 accumulate only nitrogen.

:sfa

MF



Beatty, L.D. & 59-2569  
F.F. Hooper (1958)  
Pap.Mich.Acad.Sci., 43:89-106  
Benthic associations of Sugarloaf  
Lake

SFA 3(3)1682. Samples of bottom fauna,  
submerged plants, & bottom soil were  
collected at 22 stations within the  
littoral zone of this shallow eutrophic  
lake in Washtenaw County. Chara was the  
predominant submerged plant. Najas &  
Potamogeton were important.

:sfa

F

Reish, D.J. (1957) 571329  
Industr.Wastes, 2:114-8  
Effect of pollution on marine life

SFA 3(3)1902. Consolidated Slip &  
East Basin area of Los Angeles  
Harbour was dredged in 1953. Between  
1951 & 1955 physical, chemical &  
biological surveys were carried out  
so that analytical data for  
conditions before & after dredging  
were available.

:sfa

M

Bersamin, S.V. (1958) 59-2969  
Pap.Mich.Acad.Sci., 43:107-18  
A preliminary study of the nutritional  
ecology and food habits of the chubs  
(Leucichthys spp.) and their relation  
to the ecology of Lake Michigan

SFA 3(3)1683. Stomach analyzed.

:sfa

F

Cole, G.A. (1957) 59-6735  
Trans.Ky Acad.Sci., 18(2-3):29-39  
Some epigeon isopods and amphipods  
from Kentucky

BA 32(8)28783. Aquatic spp. were  
collected from 85 stations over a  
period of 3 years. Lirceus, Asellus,  
Synurella, Crangonyx, Gammarus &  
Hyaella. Some characters useful in  
identification, & certain ecological  
observations are presented.

:ba

F

Pentelow, F.T.K. et al. (1957) 571249  
Surveyor, Lond., 116:986-8  
Sewage effluents and their effect on  
fish

SFA 3(3)1901. Experiments to determine  
the effects in the River Colne are  
described. An analysis of the effluent  
is given in a table. Effects on fish  
living in effluent of low oxygen  
content, high carbon dioxide content,  
the presence of un-ionized ammonia,  
synthetic detergents, & metals are  
discussed.

:sfa

MF

Halstead, B.W. et al. (1958) 59-3211  
Ann.Mag.nat.Hist., 10(118):767-8  
On the morphology of the 'hairs' of  
the rare deep sea fish, Mirapinna esau

BA 32(8)28954. Small section of the  
skin was embedded & sectioned. A  
description based on microscopic  
examination is given.

:ba

M

Cole, G.A. (1957) 59-4511  
Trans.Ry Acad.Sci., 18(4):88-101  
 Studies on a Kentucky knobs lake - III.  
 Some quantitative aspects of the net  
 plankton

BA 32(12)39559. Plankton populations  
 were studied through examination of  
 profundal sediment & net collections  
 during the first 10 years of the  
 existence of the lake.

Schultz, L.P. (1958) 59-6706  
Proc.U.S.nat.Mus., 108(3405):321-9  
 Three new serranid fishes, genus  
Pikea, from the Western Atlantic

BA 33(10)39536. P. cubensis from  
 Cuba & the Bahama Islands; P.  
mexicanus mexicanus from the Gulf  
 of Mexico & P.m. atlanticus from off  
 Venezuela & the Guianas, are compared  
 with other genera & spp.

Craddock, J.M. & 59-4862  
 C.A.S. Lowndes (1958)  
Prof.Notes met.Off., Lond., (126):6 p.  
 A synoptic study of anomalies of  
 surface air temperature over the  
 Atlantic half of the northern  
 hemisphere

Description of the important features  
 of the 5-day mean temperature anomaly  
 charts of North Atlantic in relation to  
 same series of pressure at mean sea  
 level charts.

Smith, J.L.B. (1958) 59-6743  
Ann.Mag.nat.Hist., Ser.13, 1(4):247-9  
 The genus Limnichthys Waite, 1904 in  
 African seas

BA 33(12)4744. Genus previously known  
 only from Australia. L. nitidus,  
 Trichonotidae, is described from a  
 specimen taken by poison in coral  
 rubble at low tide mark at Pinda,  
 Mozambique, with other specimens  
 taken at Bazaruto & Aldabra.

TL:tl M

:ba M

Tomiyama, I. (1958) 59-5052  
Annot.zool.jap., 31(1):49-52  
 Some rare fishes from Sagami Bay, Japan

BA 32(12)42509. Notes are given to 17  
 tropical & subtropical fish spp.

Wells, M.J. & 59-6171  
 J. Wells (1958)  
J.exp.Biol., 35(2):324-6  
 The influence of preoperational  
 training on the performance of  
 octopuses following vertical lobe  
 removal

BA 32(12)39478. Removal of lobe from  
 the brain of octopuses trained to  
 make simple tactile discriminations  
 produces immediate decline in  
 performance characterized by  
 reversion towards untrained condition.

:ba M

:ba M

Nichols, J.T. (1958) 59-5040  
Amer.Mus.Novit., 1876:1-7  
A new goby and other fishes from  
Formosa (Oxyurichthys formosanus n.sp.)

BA 32(8)28964. Nomenclature of  
Konosirus thrissa (Clupea thrissa  
Linnaeus) is discussed; Misgurnus,  
Hypohamphus, Oxyurichthys.

:ba

M

Willgoos, J.F. (1957) 59-5063  
Årb.Naturvitensk.Univ.Bergen, 15:1-13  
Some notes on Beryx decalactylus (Cuv.  
& Val.) in European waters with a  
special account of Norwegian records

BA 32(8)28978. A survey of records;  
distribution is reviewed. Recent  
captures suggest that it possibly  
occurs along a more or less continuous  
front on the border of the North  
Atlantic.

:ba

M

Pinto, S.Y. (1957) 59-5042  
Bol.Mus.nac.Rio de J., 163:1-15  
Um novo Clinidae de ilha da Trindade,  
Brasil (Actinopterygii-Perciformes)  
(A new clinid from Trinidad Island,  
Brazil, Actinopterygii-Perciformes)

BA 32(8)28967. Labrisomus trindadensis,  
is described, with table of  
measurements.

:ba

M

Tampi, P.R.S. (1957) 581304  
Proc.Indian Acad.Sci., 46D(4):254-73  
Some observations on the reproduction  
of the milkfish (Chanos chanos Forskål)

BA 32(8)28974. Morphological &  
histological features of the early  
& nearly mature testes are described.  
The type of spawning in the sp., egg  
production, size at maturity &  
breeding habits.

:ba

MF





# Forward References

Check List, 59-7453 - 59-8664

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8541	"	585595
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8600	"	580520
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8613	"	8612



1,00	FISHES, GEN.	5749	5769	5771	5787
		5791	5795	5881	5885
		5927	5983	6168	6220
		6402	6404	6419	
1,02	Petromyzon	5216	5608	6035	6302
	PETROMYZONIFORMES			5871	
1,04	HETERODONTIFORMES			5704	
1,05	HEXANCHIFORMES		5704	5882	
1,06	LAMNIFORMES		5704	5882	
1,07	Alopias		5790	6425	
	Isurus			6425	
	Lamna		6117	6425	
1,08	Carcharhinus			6425	
	Eulamia			6425	
	Mustelus		6176	6359	
	Prionace			6425	
	Pterolamiops			6425	
	Scoliodon			6176	
	SCYLIORHINOIDEI			5704	
	Sphyrna			6425	
1,09	Deania			6001	
	Laemargus			6423	
	SQUALIFORMES		5704	5882	
	Squalus	5824	6005	6117	
1,10	Raja		6117	6118	
	RAJIDAE		5936	6003	
	RAJIFORMES			5882	
	RHINOBATIDAE			5704	
	Rhinobatos			6176	
1,11	TORPEDINIDAE			5936	
	TORPEDINIFORMES			5882	
1,14	Protopterus		6215	6219	
1,17	Acipenser		5698	6006	
	ACIPENSERIDAE			5783	
	POLYODONTIDAE			5783	
1,18	Amia			6610	
1,21	Albula			5786	
	Alosa	6024	6314	6607	
	Anchoa			6255	
	Brevoortia			6305	
	Clupea harengus	6120	6391	6417	
		6424	6478		

1,21	(continued)				
	Clupeonella				6479
	Dorosoma	6019	6022	6407	
	Engraulis encrasicolus			5834	
	Hilsa			6109	
	Sardina	5705	5706	6374	6469
	Sardinops ocellata			6114	
	Stolephorus			6426	
1,22	Channa				6265
	Chanos	6066	6071	6072	6073
		6108			
1,23	Coregonus			6029	6398
	Cristivomer		6027	6035	6376
	Onchorhynchus, gen.	6312	6376	6476	
	Onchorhynchus gorbusha			6318	
	Onchorhynchus kisutch	6011	6025		
		6031			
	Onchorhynchus nerka		6148	6318	
	Onchorhynchus tschawytscha		5711		
		5716	5724	6023	6025
	Onchorhynchus sp.	5689	6313	6489	
	Salmo, gen.			6376	
	Salmo gairdnerii	5690	5691	5713	
		5714	5718	5804	6027
		6028	6147	6370	6377
	Salmo salar	5776	5779	5801	6384
		6385	6471	6475	6476
		6481	6488	6489	6491
	Salmo trutta	5712	5713	5714	5779
		5849	6027	6246	6248
		6472	6476	6491	6492
	Salmo sp.			5689	6266
	SALMONIDAE	6026	6044	6045	6046
		6149	6354	6356	
	Salvelinus, gen.			6376	
	Salvelinus fontinalis		5709	5712	
		5713	5720	6027	6028
		6047			
1,24	Esox	5802	5806	6014	6368
		6472			
1,25	Cyclothone				5838
	Vinciguerria				5707
1,27	Notopterus				5767
1,32	Tarletonbeania				5995
1,36	Gnathonemus				5936
	Mormyrus		5936	6215	
1,39	Electrophorus				5936

1,40	Alburnus			5785	1,40	Melanogrammus (cont'd)	5897	5898
	Barbus		6236	6259			5900	5905 5907 5914
	Carassius	5689	6129	6447			5915	5919 6241 6242
	Carpiodes			6022			6422	
	Catostomus			6022		Merluccius bilinearis		5897
	Chasmistes			6013		Microgadus		5824
	Cyclocheilichthys			6068		Phycis		6452
	Cyprinus	5689	5761	5766		Pollachius		5824
		5767	6012	6022 6268				
		6276	6399		1,57	ANBLYOPSIDAE		6608
	Ictiobus		6022	6053		Gambusia		6202
	Labeo			6236		Lebistes	6276	6378
	Leuciscus			5689		Mollinesia	5825	6202
	Megastomatobus			6053		Xiphophorus		6202
	Misgurnus			5689				
	Moroco			5689	1,62	Antigonia		6412
	Moxostoma			6022				
	Notropis	5997		6268	1,65	Membras		6008
	Osteochilus			6068		Menidia		6008
	Pimephales	6015		6268		Mugil	5708	6202
	Puntius			6071				
	Rutilus			6213	1,70	Aplodinotus		6022
	Semotilus			6268		Astroscopus		5936
	Tanichthys			6259		Bairdiella		6210
	Tinca		6135	6396		Cynoscion		6210
						Decapterus		5846
1,41	Ameiurus	5714	5824	6609		Etheostoma		5999
	Bagrus			6215		Hapalogenyis		6208
	Clarias		6202	6215		Lates	5708	6440
	Coreobagrus			6155		Lateolabrax		6208
	Ictalurus	6022	6053	6269		Lepibema		6407
	Mystus			5708		Lepomis	5998 6006 6015	6022
	Parasilurus			5689			6032	
	Pilodictis			6022		Lucioperca	5803 5859	5991
	Saurida			6450		Lutjanus		6211 6303
	Schilbe			6215		Micropogon		6000 6210
						Micropterus	5721 5806 5998	6006
1,43	Anguilla bostoniensis			5824			6033	
	Anguilla sp.	5689	5767	5847 6156		Morone	6014 6181	6407
		6452				Mycteroperca		6306
	Conger		6208	6452		Ocyurus		6210
	Muraenesox			6208		Pagrosomus		6208
1,47	Exocoetus			5837		Perca flavescens	5714 6006	6014
						Perca fluviatilis		5806 6130
1,48	Gadus luscus			6421		Pomoxis		6006 6022
	Gadus minutus			6421		Pristipomoides		5839
	Gadus morhua	5888 5896	5897	5900		Roccus		6006 6020
		5901 5902	5904	to		Sander		5806
		5907 5917	to	5920		Stizostedion	6014 6016	6435
		5923 5924	5925	5926		Therapon		6207
		5930 5931	5934	6241		Tilapia	6216 6217 6236	6273
		6243 6519					6276 6309	
	Gadus poutassou			6421		Trachurus		6114
	Gadus sp.			6421	1,71	Aprodon		6004
	Melanogrammus	5888 5890	5891	5894		Bothrocara		6007

1,71	(continued)					1,99	FISHES, MISC. (cont'd)	5816	5919
	Embryx		6007					5926	5932
	Lycenchelys		6007					6009	6010
	Lycodes		6007					6021	6034
	Lycodopsis		6007					6037	6039
	Lycodapus		6007					to	6043
	Pholis		6306					6047	6048
								6049	6053
								6061	6062
								6063	6074
								6076	6077
								6107	6142
								6159	6174
								6212	6221
								6237	6244
								6255	6278
								6284	6289
1,72	Ammodytes		6611					6304	6317
	Gymnammodytes		6611					6324	6328
	Lepophidium		5677					6332	6338
								6340	6341
								6345	6346
								6348	6350
								6351	6362
								6371	6390
1,74	Acanthurus		5782					6393	6406
	Naso		5782					6408	6448
								6455	6459
								6469	6473
								6474	6478
								6493	6501
1,75	Makaira		6451					6518	6522
	Rastrelliger	5755	6064	6065				6585	6591
	Sarda		6452					6592	6596
								6597	6600
1,76	Anabas		5767	6612		2,00	CRUSTACEANS, GEN.	5749	5769
	Helostoma			6276				5881	5885
	Osphronemus			5753				5927	5983
								6168	6220
								6402	6404
								6419	6477
								6509	
1,77	Cryptocentrus		6208			2,02	Artemia	5987	5988
	Eleotriodes		5840				Chirocephalus		6173
	Eutaenichthys		5844						5685
	Ptereleotris		5842			2,05	CLADOCERA		6132
	Suruga		5845				Daphnia		6503
	Vireosa		5843						6157
						2,07	Entocythere		6247
1,78	Peristedion		6452			2,10	Candacia		6134
	Sebastes	5897	5900	5901	5905		Mazellina	6408	6409
		5919	5929	5934	6120		Mytilicola		6413
		6241	6367				Tropoeyclops		6167
	Sebastiscus		6208			2,12	CIRRIPIEDIA		6115
1,80	Auxis		6379			2,13	Balanus	6116	6137
	Euthynnus	6379	6451	6452			Elminius		5828
	Germo		6451			2,16	Septosaccus		5938
	Katsuwonus		6379	6426		2,20	Praunus		5830
	Neothunnus		6379	6451		2,23	Asellus		6514
	Parathunnus		6451				Idotea		6510
	THUNNIFORMES	6060	6310	6353	6460		Jaera		6510
	Thunnus thynnus	6343	6395	6451		2,24	AMPHIPODA	6233	6431
1,83	Glyptocephalus		6120				CHELURIDAE		6427
	Hippoglossoides		5900	6120			Gammarus	6510	6514
	Hippoglossus hippoglossus		5919				Hyperia		6238
		5921	5922				LILJEBORGIIDA T		6428
	Pleuronectes flesus		5919			2,27	DECAPODA		5883
	Pseudopleuronectes		5824						
1,99	FISHES, MISC.	5692	5703	5745	5760				
		5764	5776	5792	5797				
		5833	5836	5841	5854				
		5869	5870	5893	5912				



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4,23	Megaptera	6239	6,19	ANTHOZOA	6410
4,99	MAMMALS, MISC.	6221 6289		Gyrostoma	5695
5,05	Tricha	6433	6,21	Pleurobrachia	6264
5,08	Ascapus	6002	6,24	Procerodes	6510
5,29	AMPHIBIANS, MISC.	6221	6,26	Stephanostomum	6210
5,31	Chrysemys	6383		TREMATODES-MONOGENA	6117 6213
5,36	Alligator	5787 5788	6,27	Aepnidiogenes	6181
	CROCODYLIDAE	5789		Aerobiotrema	6208
5,49	REPTILES, MISC.	6221		Azygia	6207
5,61	Procellaria	6512 6513		Eiovarium	6208
5,63	Ardea	5784		Centrocestus	6202 6211
	Ardeola	5784		DIGENA	6199 6213
	Casmerodius	5784		Diplopharyngotrema	6208
	Demiegretta	5784		Haplorchis	6202
	Egretta	5784		Opocoelus	6208
	Pyrrherodia	5784		Opegaster	6208
5,87	BIRDS, Aquatic	5884		Opisthorchis	6204
5,89	BIRDS, MISC.	6221		Prozorhynchus	6208
5,93	Siboglinum	6226		Pseudosiphoderoides	6208
5,94	TUNICATA	6160		Schistosoma	6180 6184 6191 6192
5,96	Ascidia	6166			6200
	Ciona	6162 6166	6,28	Diphyllbothrium	6205
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	Polycitor	6166		CESTODES	6117 6213
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6,11	Caliperia	6118	6,33	NEMATODA	6117 6213
	Ellobiophrya	6118	6,37	Euchlanis	5811
	Euplotes	5686		Philodina	5811
6,14	Leucosolenia	5831	6,40	ERYOZOA	6443
6,15	DESMACIDONIDAE	5982	6,45	Sagitta	6114 6134
	HAPLOSCLERIDAE	5982	6,46	ANNELIDA	6160
6,16	COELENTERATA	6158 6160	6,49	Aphrodita	6120
6,17	Hydra	5986		Nereis	6122
	Velella	6424	6,50	Myxicola	5687
6,18	Cyanea	6238		Salmacina	5687
			6,53	Trocheta	6153
			6,62	HYDRACHNIDAE	6587
				Sperchon	6119
			6,66	INSECTA	6015 6182 6222

6,70	DERMAPTERA	6504	7,84	Asparagopsis	6601
6,71	PLECOPTERA	6133		Bonnemaisonia	6601
6,76	Caenis	6270	7,88	Antithamnion	6601 6603
	EPHEMEROPTERA	5994	7,89	Trailliella	6601
6,79	Gerris	6138	7,99	ALGAE, MISC.	5736 5807 5808
6,82	Oecetis	6270			5689 5690 6066 6144
	TRICHOPTERA	6505			6411 6582
6,84	BOSTRYCHIDAE	6508	8,01	BACTERIA	5733 5763 6405 6593
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6,87	Aedes	6128		Flavobacterium	5726
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	Prosimulium	6131	9,06	MUSCI	5951
	SIMULIIDAE	6119	9,18	Equisetum	6252
	Simulium	6182	9,24	Ceratopteris	5954
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6,94	Leptosynapta	6233	9,25	Salvinia	5972
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		6419 6460 6463	9,71	Cardamine	5953
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7,03	Dunaliella	6271	9,86	Utricularia	5973
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7,80	Hormosira	6604			
7,81	RHODOPHYCEAE	6605			



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	Maryland	5869 6024 6147	
	Virginia	5871 6147 6314 6315	
238	N. Carolina	6000 6001 6024	
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	S. Carolina	6042 6229	
	Georgia	6042 6381	
	Florida	6006 6024 6042 6121	
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433	Malaya		6068	6078
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New Scient., 6:324  
Agreement on fish conservation

Note on UK ratification of North-East Atlantic Fisheries Convention (see 59-1806) referring also to the provisions of the new convention & to the multi-ship international gear selectivity experiment just completed in Arctic waters.

FAO:sjh

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FAO:sjh

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FAO:sjh

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FAO:sjh

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FAO:sjh

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J.Biochem., Tokyo, 45(7):529-40  
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E.F. Gloyne (1958)  
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Experimental investigations

BA 33(5)16737.

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Dissert.Abstr., 19(3):605  
An ecological study of the recent  
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Sewage industr.Wastes, 30(5):601-33  
A review of the literature of 1957  
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Dangerous marine animals

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A review of the literature of 1957  
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Science, 129:1668  
Dangerous marine animals  
  
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Phytoplankton in North Carolina lakes  
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BA 33(5):16744.

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largely from net plankton collections  
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state over a period of more than 10  
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:sfa

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Misc.Publ.Md agric.Exp.Sta., (359):  
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A contribution toward a bibliography  
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procedures

Incl. about 170 references in  
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on creel census, fish sampling  
problems, & recording of catch  
statistics. (issued as: Contr.Md  
agric.Exp.Sta., (3037) )

SJH:sjh

MF

U.K. Ministry of Agriculture 59-7489  
Fisheries & Food (1957?)  
Cruise Rep. Fish.Lab.Lowestoft, 34 p.  
R.V. PLATESSA cruise XIX/1957 -  
Release of tagged fish in the Irish  
Sea 1957

Lists, for this research vessel cruise,  
the Gadus merlangus, G. callarias,  
Merluccius merluccius & Melanogrammus  
aeglefinus marked, the individual  
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FiB:sjh

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Van Oosten, J. (1957) 59-7492  
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Midwest Game & Fish Commissioners,  
24:17-22  
Exotics and hybrids in fish  
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Review of the history of  
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ecological effects & cultural &  
other advantages.

FiB:glk

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U.K. Ministry of Agriculture 59-7490  
Fisheries & Food (1958?)  
Cruise Rep., Fish.Lab.Lowestoft, 27 p.  
R.V. BERNESHT HOLT cruise V/1958 -  
Release of tagged cod and haddock in  
the Bear Island and Spitsbergen areas

Lists, for this research vessel cruise,  
the Gadus callarias & Melanogrammus  
aeglefinus marked, the individual  
numbers, places & times of initial  
capture & release, condition & length of  
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FiB:sjh

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Lund, O. (n.d.) 59-7493  
Travancore, Cochin.  
Fisheries administration and  
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Text of lecture given at training  
centre & surveying public  
administration & legislation in  
Norway.

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FiB:sjh

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U.K. Ministry of Agriculture 59-7491  
Fisheries & Food (1958?)  
Cruise Rep., Fish.Lab.Lowestoft, 17 p.  
R.V. SIR LANCELOT cruise X/1958 -  
Release of tagged fish in the North Sea  
plaice

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callarias marked, the individual  
numbers, places & times of initial  
capture & release, condition & length of  
fish at time of release, description  
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FiB:sjh

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Fish & Game (1958)  
Sacramento, 95 p.  
Forty-fifth biennial report of the  
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Incl. sections on water projects,  
inland fisheries, salmon & steelhead  
trout, marine resources. Appendices  
incl. statistics of landings &  
shipments by spp., lists of projects,  
tagging & rearing plantings.

FAO:sjh

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Tarzwel, U.M. (1957) 59-7495  
Mimeo Text of Paper published in Proc.  
of the 3rd Ontario industr.Waste Conf  
for 1956

The use of bio-assay in relation to  
the disposal of toxic wastes

Discusses ways bio-assays can be used  
by industry & enforcement agencies &  
gives some data on toxicities of some  
waste materials.

WAD:wcb

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IPFC (1958?) 59-7498  
Bangkok, Thailand, 8 p.  
Summary report from the Indo-Pacific  
Fisheries Council to the 9th  
Conference of the Food and  
Agriculture Organization of the  
United Nations

Short account of proceedings, budget,  
programme & resolutions.

FiB:sjh

MF

U.K. (1958) 59-7496  
Command 595 Treaty Ser., (56):28 p.  
International Convention for the  
prevention of pollution of the sea by  
oil, London, May 12, 1954. En Fr

Text of Convention, with annexes  
listing prohibited zones & giving  
form of oil record book.

FiB:sjh

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Laurent, A.G. (1958) 59-7499  
Contr.Pap. to the I.M.S. 21st Annual  
Meeting, M.I.T., Cambridge, August  
25-28, 1958, 14 p.

A model for failure data and its  
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Complete text of 59-0332.  
Derives formula & parameter estimation  
methods for a model in which the  
exponential coefficient of failure -  
mortality - itself declines  
exponentially.

SJH:sjh

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U.K. (1959) 59-7497  
Command 731 Treaty Ser., (38), 19 p.  
Convention for the regulation of the  
meshes of fishing nets and the size  
limits of fish, London, April 5, 1946,  
as amended to November 1958. En Fr

Text of IFC 1946 as amended to  
November 1958; supersedes Treaty Ser.,  
(8), 1956.

FiB:sjh

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Japan. Ministry of Agriculture 59-7500  
& Forestry. Statistics &  
Research Division (1959?)  
Mimeo, 8 p.

The digest of the 'gist of survey on  
fish catch amount in sea fisheries'

Document submitted for study at  
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FiB:sjh

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Korea. Office of Marine. 59-7501  
Affairs. Bureau of Fisheries (1958)  
Contr.Publ. IPFC/C58/CP29, 29 p.  
The reports to Technical Committee I.  
The 8th session of IPFC, Colombo,  
Ceylon

Contains sections on: Taxonomy;  
Determining fish age; Standardizing  
plankton net; The list of the marine  
algae of Korea; The tuna exploratory  
fishing operated in the East China Sea  
and Indian Ocean; Pollock fisheries in  
Korea; Artificial hatching of gray  
mullet (Mugil cephalus Linnaeus); The  
observation of water pollution in

Union of South 59-7504  
Africa (1958)  
66 p.  
Progress and programme report of the  
Union of South Africa to the Food and  
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United Nations: 1955-1957

Incl. chapters on sea & inland  
fisheries, dealing with statistics,  
trends in pilchard, maasbanker &  
mackerel catches, rock lobster, trawl  
& line catches, whaling; research  
activities.

FAC:sjh

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59-7501  
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Chinhae Bay; Inland fisheries;  
Oceanography; Shrimp demonstration  
trawl fishing.

SJH:sjh

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Sport Fishing 59-7505  
Institute (1959)  
Items for Fishery Scientists, July 1959

Incl. notes on the selection of  
research problems; a bibliography of  
theses on fishery subjects; forth-  
coming meetings; various recent  
publications.

GLK:sjh

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Korea. Office of Marine 59-7503  
Affairs. Bureau of Fisheries (1958)  
Contr.Publ. IPFC/C58/CP30, 10 p.  
Appendix for 2nd Technical Committee

A review of status of fishing industry;  
production & trade statistics;  
developments in weather forecasting;  
production & improvement of fishing  
gear; credit, subsidy & other financial  
aid; plan for future development.

SJH:sjh

M

Sport Fishing 59-7506  
Institute (1959)  
Items for Fishery Scientists, Aug. 1959

Incl. notes on the establishment of  
"American Institute of Fishery  
Research Biologists"; construction of  
fibreglass aquaria; fishery research  
in Wisconsin; new Fish Culture &  
Research Unit at Ontario Agricultural  
College; some recent publication; post  
announcement.

GLK:sjh

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Anonymous (1959) 59-7507  
mimeo, 42 p.  
Food and Agriculture Organization of  
the United Nations - Indo-Pacific  
Training Centre in fishery statistics,  
Bombay, India, 13 February - 30 April  
1959 - STC/59/P 14 - Working of the  
practical exercises

Lectures notes.

SJH:sjh

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Crossman, E.J. (1959) 59-7510  
J.Fish.Res.Bd Can., 16:247-67  
Distribution and movements of a  
predator, the rainbow trout, and its  
prey, the redside shiner, in Paul  
Lake, British Columbia

Diurnal, monthly & seasonal  
movements.

GLK:glk

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Ornstein, E. (1959) 59-7508  
Interim Rep. on one Phase of NRL  
Problem R02-34 (PB138310)  
Attenuation of electromagnetic  
radiation by sea water

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Crossman, E.J. (1959) 59-7511  
J.Fish.Res.Bd Can., 16:269-81  
A predator-prey interaction in  
freshwater fish

Characteristics of predator & prey,  
time & place of predation, variation  
of its degree & the behaviour of  
predator & prey during it, & its  
effects, ill. by observations on  
Salmo gairdneri Richardson &  
Richardsonius balteatus Richardson  
in Paul Lake, British Columbia.

GLK:glk

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Del Grosso, V.A. (1959) 59-7509  
Conf. on Physical & Chemical Properties  
of Sea Water, Easton, Md, September 4-5,  
1958, NAS-NRC, Wash., D.C., 185-97  
Speed of sound in pure water and sea  
water

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Hourston, A.S. (1959) 59-7512  
J.Fish.Res.Bd Can., 16:233-308  
Effects of some aspects of  
environment on the distribution of  
juvenile herring in Barkley Sound

Description of juvenile behaviour &  
consideration of salinity,  
temperature, food supply & shelter,  
in contrast with water movements in  
examination of whether distribution  
was the result of passive transport  
or active dispersal or migration.

GLK:glk

M

Hourston, A.S. (1959) 59-7513  
J.Fish.Res.Bd Can., 16:309-20  
The relationship of the juvenile herring stocks in Barkley Sound to the major adult herring populations in British Columbia

Description of the tagging technique & operations report of recoveries & discussion of evidence of a greater tendency on the part of young fish to wander.

GLK:glk

Olsen, S. (1959) 59-7516  
J.Fish.Res.Bd Can., 16:339-49  
Mesh selection in herring gill nets

A method described by Holt (59-7561) to determine the effect of mesh selection in gill nets, has been applied to a material of herring collected in Newfoundland waters in 1957-58. The method requires simultaneous operation of 2 or more nets, differing slightly in mesh size but identical in every other respect.

Miller, R.B., A.C. Sinclair 59-7514  
& P.W. Hochachka (1959)  
J.Fish.Res.Bd Can., 16:321-8  
Diet, glycogen reserves and resistance to fatigue in hatchery rainbow trout

Rainbow trout of identical brood stock were raised on 2 diets: one group received a complete dry pelleted ration, the other, ground liver. After 35 weeks the trout were subjected to varying degrees of exercise, following which blood lactate & liver & muscle glycogen were assayed.

GLK:rbm

Sund, P.W. (1959) 59-7517  
J.Fish.Res.Bd Can., 16:351-61  
The distribution of chaetognatha in the Gulf of Alaska in 1954 and 1956

Zooplankton collections from 2 cruises to the Gulf of Alaska during 1954 & 1956 were studied to determine the spp. of chaetognatha present, to establish their distribution within those waters, & to consider the distribution of the spp. with regard to certain general hydrographic features prevalent in the region at the time the collections were made.

GLK:pns

Godfrey, H. (1959) 59-7515  
J.Fish.Res.Bd Can., 16:329-37  
Variations in annual average weights of British Columbia pink salmon, 1944-1958

Average weight data of British Columbia pink salmon, Oncorhynchus gorbuscha, since 1944 were made available by the Fisheries Association of British Columbia, & were used to compare annual changes in size among stocks throughout the Province.

GLK:hg

Briggs, J.C. & 59-7518  
N. Igami (1959)  
J.Fish.Res.Bd Can., 16:363-80  
The menaka (Oryzias latipes). A commentary and a bibliography

A summary is presented of the most important attributes of O. latipes, from the standpoint of its usefulness as a laboratory animal. The bibliography gives a fair idea of the extent of Japanese work in such areas as fish physiology (*sensu stricto*), embryology, genetics & behaviour.

GLK:ic



Hoy, J. (1959) 59-7519  
J.Fish.Res.Bd Can., 16:381-2  
 A portable conductivity bridge for  
 field use  
 Wiring diagram with brief description.

GLK:glk

MF

Rodhe, W. (1958) 59-7522  
Verh.int.Ver.Limnol., 13(1):121-41  
 Primärproduktion und Seetypen  
 (Primary production and lake  
 phytology). En

Results of comparative estimates  
 under varying optical & other  
 seasonal conditions in high & low  
 productive lakes are analysed with  
 graphs & tables. Limitations of  
 "trophic" terms are discussed.

SJH:tjj

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Neave, F. (1959) 59-7520  
J.Fish.Res.Bd Can., 16:383-4  
 Records of fishes from waters off the  
 British Columbia coast

Records of spp. of fish which have not,  
 or have only seldom, been reported  
 from waters off the British Columbia  
 coast. Most of them resulted from high-  
 seas fishing operations designed  
 primarily to obtain data on the ocean  
 distribution of Pacific salmon, the  
 gear used being surface gill nets.

GLK:fn

M

Vollenweider, R.A. (1958) 59-7523  
Verh.int.Ver.Limnol., 13(1):142-3  
 Sichttiefe und Produktion  
 (Visibility and production)

SJH:

Elster, H.-J. (1958) 59-7521  
Verh.int.Ver.Limnol., 13(1):101-20  
 Lake classification, production and  
 consumption - Das limnologische  
 Seetypensystem, Rückblick und Ausblick  
 (The limnological system of types of  
 lakes, prospective and retrospective)

SJH:

F

Nygaard, G. (1958) 59-7524  
Verh.int.Ver.Limnol., 13(1):144-55  
 On the productivity of the bottom  
 vegetation in Lake Grane Langsø

Gravimetric estimates of dry matter  
 of different spp. based on analysis  
 of bottom samples collected in 1954 &  
 1955 by a cylindrical sampler & of  
 rate of production reckoned from  
 nurture experiments with constant  
 concentration of nutrients ensured by  
 supply of water from the natural  
 habitat.

SJH:tjj

F

Kuznetsov, S.I. (1958) 59-7525  
Verh.int.Ver.Limnol., 13(1):156-69  
A study of the size of bacterial  
populations and of organic matter  
formation due to photo- and chemo-  
synthesis in water bodies of different  
types

Discusses results of investigations in  
Soviet Union waters of different  
trophy degree, regarding: a) the  
number & distribution of bacteria &  
their relation with intensity of matter  
turnover & b) the bacterial propagation  
rate as an index of food resources for  
certain zooplankters. Sulphur

Steinböck, O. (1958) 59-7528  
Verh.int.Ver.Limnol., 13(1):181-90  
Grundsätzliches zum "kryoeutrophen"  
See (Basic information on the  
"kryoeutrophic" lake)

SJH:

F

59-7525  
(Card 2)  
circulation is dealt with in detail.

SJH:tjj

F

Thomas, B.A. (1958) 59-7529  
Verh.int.Ver.Limnol., 13(1):191-5  
Sedimentation und Typeneinteilung des  
Türlersees (Sedimentation and type  
classification of the Türler Lake)

SJH

F

Findenegg, I. (1958) 59-7527  
Verh.int.Ver.Limnol., 13(1):170-80  
Trophiezustand und Produktion der  
Kärntner Seen (Trophic condition  
on production of Carinthian lakes)

SJH:

F

Ohle, W. (1958) 59-7530  
Verh.int.Ver.Limnol., 13(1):196-211  
Typologische Kennzeichnung der  
Gewässer auf Grund ihrer Bioaktivität  
(Typological distinction of waters on  
the basis of their bioactivity).  
En

Oligo- & eudynamic waters are  
distinguished on basis of biogenic  
energy flow; specific bioactivity is  
defined; results of investigations on  
production of epi- & hypolimnions of the  
Grober Ploner See & the Kleiner  
Uksee by direct observation &  
by the light & dark bottle method are  
discussed.

SJH:tjj

F

Maucha, R. (1958) 59-7531  
Verh.int.Ver.Limnol., 13(1):212-6  
 Zur Frage der Produktionsbiologie der  
 Seen (On the production biology of  
 lakes)

Järnefelt, H. (1958) 59-7534  
Verh.int.Ver.Limnol., 13(1):228-35  
 On the typology of the northern  
 lakes

Discusses chemical & physical factors  
 giving rise to different types with  
 special reference to Fenno-  
 Scandinavian lakes & the criteria of  
 classification. Divides lakes into  
 groups.

SJH:

SJH:tjj

F

Uéno, M. (1958) 59-7532  
Verh.int.Ver.Limnol., 13(1):217-26  
 The disharmonious lakes of Japan.  
 De

Utermöhl, H. (1958) 59-7535  
Verh.int.Ver.Limnol., 13(1):236-51  
 Zur Gewässertypenfrage tropischer  
 Seen (On the water-types of  
 tropical lakes)

Distinguishes acidotrophic - inorganic  
 acid - lakes under the influence of  
 volcanic action from brown water  
 dystrophic lakes the acidity of water  
 is due to humic materials. Mentions  
 restriction of number of spp. though  
 not of individuals in the former type  
 & the association of the latter type  
 with peat lands, bogs & mountains of  
 altitudes above 1,500 m.

SJH:tjj

F

SJH:

F

Ström, K. (1958) 59-7533  
Verh.int.Ver.Limnol., 13(1):227.  
 Ein See wird durch Klimaänderung  
 umgestaltet (The change of climate  
 changes a lake)

Larkin, P.A. & 59-7536  
 T.G. Northcote (1958)  
Verh.int.Ver.Limnol., 13(1):252-63  
 Factors in lake typology in British  
 Columbia, Canada

Lists regional areas & factors of  
 biota, topography, climate & total  
 dissolved solids. Results of a series  
 of regressions conducted for the major  
 factors of T.D.S., dimensions &  
 climate & the role of local factors  
 are discussed. Emphasizes T.D.S. as  
 best single indicator of physical  
 environment & stresses the continuous  
 variation met with in lakes.

SJH:tjj

F

SJH:

F



Pennak, R.W. (1958) 59-7537  
Verh.int.Ver.Limnol., 13(1):264-83  
 Regional lake typology in northern  
 Colorado, U.S.A.

Limnological characteristics of 6  
 types of lakes: 1) non-alkaline, poor  
 production; 2) alkaline, high  
 production types in the plains; 3)  
 foot-hill lakes; 4) drainage; 5) semi-  
 drainage types in mountains & 6) lakes  
 of the barren alpine zone are  
 discussed with special reference to  
 calcium, nitrates, phosphates &  
 bound CO<sub>2</sub>.

SJH:tjj

F

Brook, A.J. (1958) 59-7540  
Verh.int.Ver.Limnol., 13(1):298-305  
 Changes in the phytoplankton of some  
 Scottish hill lochs resulting from  
 their artificial enrichment

Effect on plankton of calcium super-  
 phosphate in Loch Kinardochy & in 6  
 lochs in Sutherland, the fertilizer  
 being supplemented in the latter with  
 IFL, & the relation between phyto-  
 plankton quotient & nutrient status  
 are discussed.

SJH:tjj

F

Valovirta, E.J. (1958) 59-7538  
Verh.int.Ver.Limnol., 13(1):284-7  
 Über die Bodentierbonitierungen im  
 Päijänne-See in Finnland (On the  
 bottom fauna improvement in the  
 Päijänne Lake in Finland)

SJH:

F

Round, F.E. (1958) 59-7541  
Verh.int.Ver.Limnol., 13(1):306-10  
 Algal aspects of lake typology

Discusses the significance of  
 biological factors such as incidence  
 of indicator, dominant, indifferent &  
 tolerant spp. as supplement to  
 physico-chemical factors.

SJH:tjj

F

Brundin, L. (1958) 59-7539  
Verh.int.Ver.Limnol., 13(1):288-97  
 The bottom faunistical lake type  
 system and its application to the  
 southern hemisphere. Moreover a theory  
 of glacial erosion as a factor of  
 productivity in lakes and oceans

Contents as per title.

SJH:tjj

F

Kann, J. (1958) 59-7542  
Verh.int.Ver.Limnol., 13(1):311-9  
 Der Algenaufwuchs in der eulitoral  
 Zone alpiner und norddeutscher Seen  
 (Algal growth in the eulittoral zone  
 of alpine lakes and of lakes in  
 Northern Germany)

SJH:

F

Reynoldson, T.B. (1958) 59-7543  
Verh.int.Ver.Limnol., 13(1):320-30  
 Triclads and lake typology in northern  
 Britain - qualitative aspects

From an examination of about 120 lakes,  
 categorizes them according to the spp.  
 contained & in relation to the  
 mineral content of the water especial  
 calcium.

SJH:tjj

F

Gajevskaja, W.S. (1958) 59-7546  
Verh.int.Ver.Limnol., 13(1):350-62  
 Le rôle de groupes principaux de la  
 flore aquatique dans les cycles  
 trophiques des différents bassins  
 d'eau douce (The importance of  
 the principal groups of aquatic flora  
 in the trophic cycles of different  
 freshwater basins)

SJH:

F

Sebestyén, O. (1958) 59-7544  
Verh.int.Ver.Limnol., 13(1):331-8  
 Quantitative and qualitative changes  
 in the plankton of Lake Balaton

Studies of changes in population  
 density & biomass based on sample  
 series collected for 6 years, 3 in  
 1936-38 & 3 in 1947, 1949 & 1951.

SJH:tjj

F

Smirnov, N.N. (1958) 59-7547  
Verh.int.Ver.Limnol., 13(1):363-8  
 Some data about the food consumption  
 of plant production of bogs and fens  
 by animals

A study conducted under the Moscow  
 Institute of Fisheries on sphagnum  
 consumption by larvae of spiders,  
 springtails, ants & other insects &  
 on the place of moss & eipbioses in  
 the food of gastropods, oligochaetes  
 & chironomid & other insect larvae.  
 The role of fungi in transformation  
 of macrophytes & its significance in  
 the food chain of invertebrates.

SJH:tjj

F

Margalef, R. (1958) 59-7545  
Verh.int.Ver.Limnol., 13(1):339-49  
 "Trophic" typology versus biotic  
 typology, as exemplified in the  
 regional limnology of northern Spain

"Trophic" & biotic communities & bases  
 for lake classification, regional  
 limnology & a biotic approach to the  
 later & the relation between biotic  
 communities & productivity are  
 discussed.

SJH:tjj

F

Vollenweider, R.A. & 59-7548  
 O. Ravera (1958)  
Verh.int.Ver.Limnol., 13(1):369-80  
 Preliminary observations on the  
 oxygen uptake by some freshwater  
 zooplankters

Respiration data for Daphnia obtusa,  
D. longispina, Sida cristallina,  
Cyclops strenuus & Mixodiaptomus  
lacinatus based on bottle experiments  
 in the dark & under varying  
 conditions of feeding & growth. The  
 influence of physiological conditions  
 such as ripeness, preadaption, age,  
 body size, food supply & oxygen  
 pressure are discussed.

SJH:tjj

F

Wurtz, A. (1958) 59-7549  
Verh.int.Ver.Limnol., 13(1):381-93  
 Peut-on concevoir la typification des  
 étangs sur les mêmes bases que celles  
 des lacs? (Can we consider the  
 typology of ponds on the same basis as  
 that of lakes?)

SJH:

F

Kondracki, J. (1958) 59-7552  
Verh.int.Ver.Limnol., 13(1):411-5  
 Der Stand der geographischen  
 Forschungen der Seen in Polen  
 (The state of geographic  
 investigations of the lakes in  
 Poland)

SJH:

F

Hrbáček, J. (1958) 59-7550  
Verh.int.Ver.Limnol., 13(1):394-9  
 Typologie und Produktivität der  
 teichartigen Gewässer (Typology  
 and productivity of pondlike waters).  
 En

Relation of quantitative changes in  
 dissolved organic nitrogen & total  
 phosphorus during warm half year &  
 means for different years on one hand  
 & in nannoseston during the year & in  
 different years on the other. Effects  
 of different fishstocks on mean  
 standing crops of nanno- & zooplankton.

SJH:tjj

F

Melik, A. (1958) 59-7553  
Verh.int.Ver.Limnol., 13(1):416-21  
 Die Typeneinteilung der Seen  
 Jugoslawiens (Type distinction of  
 Yugoslave lakes)

SJH:

F

Stangenberg, M. (1958) 59-7551  
Verh.int.Ver.Limnol., 13(1):400-10  
 Chemisch-physikalische Ursachen der  
 ungeheuren Planktonproduktion im  
 Frischen Haff (Chemo-physical  
 causes of the enormous plankton-  
 production in the "Frisches Haff")

SJH:

MF

Stanković, S. (1958) 59-7554  
Verh.int.Ver.Limnol., 13(1):422-35  
 Limnologie des lacs karstiques  
 (Limnology of the Carso lakes)

SJH:

F



Jolly, V.H. (1958) 59-7555  
Verh.int.Ver.Limnol., 13(1):436-8  
A preliminary study of some New Zealand lakes

Tabulates morphometric features in conjunction with winter & summer temperature records of certain North & South Island lakes with a graph of temperature profiles of 3 lakes during the hottest period.

SJH:tjj

F

Pehrson, S.O. (1958) 59-7558  
Verh.int.Ver.Limnol., 13(1):455-62  
Pollution stream improvement by better technics in the pulp and paper industry

A non-technical summary of measures adopted in the sulphite cellulose & sulphate, kraft, cellulose mills in Sweden to reduce pollution effects.

SJH:tjj

F

Wundsch, H.H. (1958) 59-7556  
Verh.int.Ver.Limnol., 13(1):439-45  
Lassen sich die sogenannten Alterserscheinungen bei Seen als normaler Vorgang in die Typeneinteilung einordnen? (Are the so called aging processes in lakes to be considered as normal processes in the typology?)

SJH:

F

Vallin, S. (1958) 59-7559  
Verh.int.Ver.Limnol., 13(1):463-73  
Einfluss der Abwässer der Holzindustrie auf den Vorfluter (The influence of waste waters from the wood industry on the outlet channel)

SJH:

F

Shadin, W.I. (1958) 59-7557  
Verh.int.Ver.Limnol., 13(1):446-54  
Probleme der Bildung des biologischen Regims und der Typologie in künstlichen Seen (Stauseen) (Problems of the formation of the biological regime and the topology in artificial lakes, dams)

SJH:

F

Buliček, J. (1958) 59-7560  
Verh.int.Ver.Limnol., 13(1):474-80  
Verunreinigung der Flussläufe durch die Zellulosenindustrie in der CSR (River pollution in CSR caused by the cellulose industry)

SJH:

F

Holt, S.J. (1957) 59-7561  
Paper presented to the Joint Scientific  
Meeting ICNAF, ICES & FAO, Lisbon,  
1957, mimeo, (S.15)  
A method of determining gear  
selectivity and its application

Describes a method of determining  
the selection areas for gill-nets &  
lines, & gives examples of its  
application.

:sjh

M

Paloumpis, A.A. (1957) 59-7564  
Trans.Ill.Acad.Sci., 50:60-4  
The effects of drought conditions on  
the fish and bottom organisms of two  
small oxbow ponds

Severe drought eliminated fish  
population & macroscopic bottom  
fauna from 2 ponds.

WAD:wcb

F

Klein, L. (1959?) 59-7562  
Butterworths Scientific Publications,  
London, 206 p.  
River pollution - I. Chemical  
analysis

Nakamura, H. et al. (n.d.) 59-7565  
Research in the Effects & Influences  
of the Nuclear Bomb Test Explosions,  
Japan, 1067-78

The occurrence of the fishes  
contaminated with radioactivity  
according to the species of fishes

Based on survey of radioactivity by  
the Ministry of Health & Welfare &  
the investigation on fishing  
conditions by Nankai Regional  
Fisheries Research Laboratory.  
Particular reference to Germo,  
Neothunnus, Parathunnus, Eumakaira,

du Plessis, S.S. (1957) 59-7563  
The Ostrich, Dec. 1957, 197-201  
Growth and daily food intake of the  
white-breasted cormorant in  
captivity

Calculates quantity of food required  
by cormorant per annum. Suggests  
possible beneficial effect if further  
food studies show non-commercial spp.  
as chief food.

WAD:wcb

F

59-7565  
(Card 2)  
Istiophorus in North & Equatorial  
Pacific.

Fid:ajh

M

Connell, J.J. & 59-7567  
P.F. Howgate (1959)  
J.Sci.Fd Agric., 10:241-4  
The amino-acid composition of some  
British food fishes

Only slight differences were found  
between the compositions of Gadus  
callarias, Melanogrammus aeglefinus,  
Pleuronectes microcephalus & Clupea  
harengus from North Sea in May.  
Comparison with other published  
analyses for these spp. & others.

FAO:sjh

Ludorff, W., C. Hennings & K.E. Neb (1958) 59-7570  
Z.LebensmittUntersuch., 108:330-41  
Preservation of fresh shellfish and  
shellfish meat without the use of  
boric acid - II.

JSFA 10(4):i-226. Crabs & other  
shellfish fished from water at 5-10°  
survive a transport period of 8 hr.,  
but when fished from water at 17-20°,  
their vitality is considerably  
reduced.

.psa

M

Lukton, A. & 59-7568  
H.S. Olcott (1958)  
Food Res., 23:611-8  
Content of free imidazole compounds  
in the muscle tissue of aquatic animals

JSFA 10(4):i-226. The ion-exchange  
method developed by Davey was used for  
determining carnosine, anserine,  
histidine & methyl-histidine in the  
muscle tissues of 23 spp. of marine fish,  
2 elasmobranchii, 6 freshwater fish &  
6 molluscs & crustacea.

:emj

MF

Harrison, M.E. & 59-7571  
H. Heukelekian (1958)  
Sewage industr.Wastes, 30:1278-1302  
Slime infestation of streams:  
literature review

JSFA 10(4):i-235.

F

Bailey, M.E. (1958) 59-7569  
Dissert.Abstr., 19:429  
Biochemistry of melanin formation in  
shrimp

JSFA 10(4):i-226. High catecholase  
activity was associated with the  
leucocytes of blood from Penaeus  
setiferus & P. aztecus.

:mda

M

Dillingham, E.O., D.T. Knuth & G.E. Wessman (1958) 59-7572  
T.A.P.P.I., 41:321-33  
Manometric method for rapid  
determination of biochemical oxygen  
demand

JSFA 10(4):i-235.

F



Cummings, R.H. & 59-7573  
R.A. Neal (Comp.) (1958)  
Zool.Rec., 93(2):124 p.  
Protozoa

Contains about 1500 references of papers published in 1956 in alphabetic order of authors' names; subject, taxonomic & geographical indexes.

FAO:sjh

FF

Myers, A. (1957) 59-7576  
Thesis, Univ. of Leeds  
Cell wall structure and growth in the red algae

Preliminary investigation of cell wall structure of 15 spp. by X-ray diffraction analysis & electron microscopy of blended material. From these, Griffithsia flosculosa, Rhodymenia palmata & Porphyra sp. were selected for further examination by chemical methods & ultra-thin sectioning.

ma

2

Manton, I. (1957) 59-7574  
J.exp.Bot., 8:294-303  
Observations with the electromicroscope on the internal structure of the zoospore of a brown alga

M

Joglekar, D.V. (1959) 59-7577  
J.Instn.Engrs India, 39:709-52  
Use of hydraulic models in river training, flood control, and other engineering works

BSWA 5(5)2216.

F

Cronshaw, J. (1957) 59-7575  
Thesis, Univ. of Leeds  
A reinvestigation of wall structure and growth in the green alga Valonia

M

Sen, D.N. (1959) 59-7578  
Sci. & Cult., 24:435-6  
Cuscuta reflexa - Parasite on Equisetum romosissimum Desf. var. altissimum A.Br. (Lett.)

BSWA 5(5)2398.

F

Lemasson, L. (1957) 59-7579  
Bois For.trop., 53:51-5  
La pisciculture en Israël (Fish  
culture in Israel)  
TA 12(11):e2639.

F

Hardcastle, W.S. (1958) 59-7582  
Weeds, 6(1):64-5  
A rapid laboratory method of  
screening herbicides against aquatic  
plants  
WR (91):30.

F

Anonymous (1957) 59-7580  
Rev.Soc.rur.bras., 37(431) 42  
Possibilidades de criação de tilápia  
nas águas de São Paulo  
(Possibilities for breeding tilapia  
in São Paulo)  
TA 12(10):e2394.

F

Harger, E.M. (1957) 59-7583  
Rep.Rich.Dep.Conserv.Game Div., (2155)  
2 p.  
Control of sedge and leatherleaf on  
flooding projects with herbicides  
WR (91):30.

F

Darden, Wm.M. & 59-7581  
D.R. Talbott (1958)  
Proc.Annu.Meeting NE Weed Control Conf.,  
12:344-5  
A new mechanical technique for  
controlling aquatic vegetation  
WR (91):28.

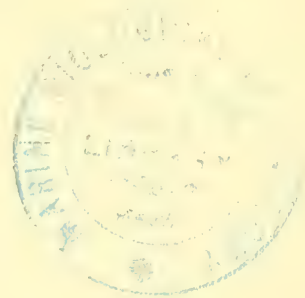
F

Pierce, M. (1958) 59-7584  
Proc.Annu.Meeting NE Weed Control Conf.  
12:338-43  
The effect of the weedicide kuron  
upon the flora and fauna of two  
experimental areas of Long Pond,  
Dutchess County, N.Y.  
WR (91):31.

F

Wanie, B.A. & 59-7585  
C.W. Threinen (1958)  
Wis.Conserv.Bull., 23(1):18-20  
Keeping horicon marsh healthy  
WR (91):32.

Dunagan, T.T. (1957) 59-7588  
Trans.Amer.micr.Soc., 76(3):318-20  
Helminth parasites of Alaskan  
muskrats  
WR (91):58.



Younger, R.R. (1958) 59-7586  
Proc.Annu.Meeting NE Weed Control Conf.,  
12:332-7  
Preliminary studies using kuron as an  
aquatic herbicide  
WR (91):32.

Carr, A. & 59-7589  
L. Giovannoli (1957)  
Amer.Mus.Novit., (1835):1-32  
The ecology and migrations of sea  
turtles - 2. Results of field work  
in Costa Rica, 1955  
WR (91):109.

Cook, A.H. (1957) 59-7537  
N.Y.Fish Game J., 4(2):213-8  
Control of muskrat burrow damage in  
earthen dikes  
WR (91):58.

Circle, H. (1958) 59-7590  
Baltimore, Outd.Writers Ass. of  
America, 29 p.  
Standard check list of common names  
for principal American sport fishes  
WR (91):111. 4th revised & enlarged  
edition.



Hari, S. (1959) 59-7591  
Indian J.Pwr Riv.Vall.Developm., 9(1):  
27-32  
Survey of water potential and overall  
needs of a basin - I.

BSWA 5(5)2215.

F

Vasisht, H.S. (1959) 59-7594  
Sci. & Cult., 24:431-2  
Note on Argulus sp. Fish parasite on  
Gambusia and Lebistes. (Lett).

BSWA 5(5)2516.

F

Domantay, J.S. (1958) 59-7592  
Agra Univ.J.Res.Sci., 7:181-202  
Some holothurians from Florida in the  
collection of the Allan-Hancock  
Foundation

BSWA 5(5)2493.

M

Singh, G.P. (1959) 59-7595  
Sci. & Cult., 24:475-6  
Note on the carotid labyrinth in fresh-  
water teleosts. (Lett)

BSWA 5(5)2522.

F

Daniel, A. (1958) 59-7593  
J.Madras Univ., 28B:115-27  
Notes on the distribution and seasonal  
variations of marine borers of the  
Madras area

BSWA 5(5)2506.

M

Mashelkar, B.N. & 59-7596  
K. Sohoni (1958)  
Ann.Biochem., 18:179-86  
Nutritive value of proteins from  
shark (Scoliodon sorrokowah) and skate  
(Rhynchobatus djiddensis) - 3. Effect  
of supplementation of rice flour with  
shark and skate proteins - 4.  
Occurrence of a streptogenin-like  
growth factor

BSWA 5(5)2639.

M

Graham, J.J. & 59-7597  
H.J. Mann (1959)  
Comm.Fish.Rev., 21(8):1-6  
Construction and catch selectivity  
of albacore gill nets used in the  
central North Pacific

Notes on experiments to establish  
most productive mesh size for Germo  
alalunga fishing, with description of  
gear used & tables for length frequency  
& catch per mesh size.

FAO: MF

Anonymous (1959) 59-7600  
Comm.Fish.Rev., 21(8):20-1  
Central Pacific fishery investigations -  
Experiments on the artificial  
propagation of tilapia for tuna bait  
continue to show promise

Contents as per title.

FAO: MF

Anonymous (1959) 59-7598  
Comm.Fish.Rev., 21(8):18  
California - Aerial census of  
commercial and sport fishing continued

Contents as per title.

FAO: F

Anonymous (1959) 59-7601  
Comm.Fish.Rev., 21(8):21  
Central Pacific fishery  
investigations - Relationship found  
between sea surface temperature and  
abundance of skipjack tuna

Contents as per title.

FAO: M

Anonymous (1959) 59-7599  
Comm.Fish.Rev., 21(8):18-9  
California - Pelagic fish and  
barracuda population survey off coast  
southern California and northern Baja  
California (M/V ALASKA cruise 59-A-3  
pelagic fish barracuda)

Contents as per title.

FAO: M

Anonymous (1959) 59-7602  
Comm.Fish.Rev., 21(8):22  
Central Pacific fishery  
investigations - Skipjack tuna studies  
off Hawaii continued (M/V CHARLES H.  
GILBERT cruise 44)

Contents as per title.

FAO: M

Anonymous (1959) 59-7603  
Comm.Fish.Rev., 21(8):22-3  
Crabs - North and South Carolina  
blue crab studies  
Contents as per title.

Anonymous (1959) 59-7606  
Comm.Fish.Rev., 21(8):26  
Gulf exploratory fishery program -  
Royal-red shrimp explorations in Gulf  
of Mexico (M/V SILVER BAY cruise 17)  
Contents as per title.

FAO: M

FAO: M

Anonymous (1959) 59-7604  
Comm.Fish.Rev., 21(8):23  
Croakers - Fishermen not responsible  
for shortage in Chesapeake Bay  
Contents as per title.

Anonymous (1959) 59-7607  
Comm.Fish.Rev., 21(8):26-7  
Insecticides and pesticides -  
Interior department endorses enlarged  
research program on effects on fish  
and wildlife  
Contents as per title.

FAO: M

FAO: MF

Anonymous (1959) 59-7605  
Comm.Fish.Rev., 21(8):24-5  
Fish-farming - Land purchased in  
Arkansas for research  
Contents as per title.

Anonymous (1959) 59-7608  
Comm.Fish.Rev., 21(8):29  
Lobsters - Activity and catchability  
of lobsters  
Contents as per title.

FAO: F

FAO: M



Anonymous (1959) 59-7609  
Comm.Fish.Rev., 21(8):29  
Oysters - Experiment on growing oysters  
on rafts

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7612  
Comm.Fish.Rev., 21(8):30-1  
Shad - Atlantic studies continued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7610  
Comm.Fish.Rev., 21(8):29  
Salmon - Fyke net used in Alaska to  
measure red salmon abundance

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7613  
Comm.Fish.Rev., 21(8):31-2  
Striped bass - Studies in Albemarle  
Sound

Contents as per title.

FAO:

F

Anonymous (1959) 59-7611  
Comm.Fish.Rev., 21(8):30  
Scallops - Temperature of ocean waters  
affects survival of giant scallops

Contents as per title.

FAO:

L

Anonymous (1959) 59-7614  
Comm.Fish.Rev., 21(8):37  
International - Fisheries agreements -  
Finnish-Soviet fishing agreement  
ratified

Contents as per title.

FAO:

L

Anonymous (1959) 59-7615  
Comm.Fish.Rev., 21(8):39  
International - International Pacific  
Salmon Fisheries Commission - Fraser  
River sockeye salmon run for 1961 looks  
promising

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7618  
Comm.Fish.Rev., 21(8):41  
British Guiana - Initial success of  
shrimp fishing venture

Contents as per title.

FAO:

M

Anonymous (1959) 59-7616  
Comm.Fish.Rev., 21(8):39-40  
International - International Whaling  
Commission - Protocol for amendment  
of convention enters into force

Contents as per title.

FAO:

M

Anonymous (1959) 59-7619  
Comm.Fish.Rev., 21(8):42  
Ecuador - FAO technical reports on  
shrimp fishing industry

Contents as per title.

FAO:

M

Anonymous (1959) 59-7617  
Comm.Fish.Rev., 21(8):40  
International - North Pacific Fur Seal  
Commission - Pelagic research for 1959  
completed by the United States

Contents as per title.

FAO:

M

Anonymous (1959) 59-7620  
Comm.Fish.Rev., 21(8):42-3  
Fiji Islands - Negotiations reported  
for Japanese vessels to fish for  
British Fiji Islands cannery

Contents as per title.

FAO:

M

Anonymous (1959) 59-7621  
Comm.Fish.Rev., 21(8):42  
Ecuador - Shrimp fishery trends  
Contents as per title.

FAC:

M

Anonymous (1959) 59-7624  
Comm.Fish.Rev., 21(8):44-5  
Iran - Development of shrimp fishery  
in Persian Gulf  
Contents as per title.

FAC:

M

Anonymous (1959) 59-7622  
Comm.Fish.Rev., 21(8):43  
Greece - Fishing industry expanding  
steadily  
Contents as per title.

FAO:

M

Anonymous (1959) 59-7625  
Comm.Fish.Rev., 21(8):45  
Japan - Atlantic tuna fishery trends  
Contents as per title.

FAC:

M

Anonymous (1959) 59-7623  
Comm.Fish.Rev., 21(8):44  
Iceland - Fisheries trends, January-  
May 1959  
Contents as per title.

FAC:

M

Anonymous (1959) 59-7626  
Comm.Fish.Rev., 21(8):47  
Japan - Fisheries trends in Hokkaido  
area  
Contents as per title.

FAC:

M



Anonymous (1959) 59-7627  
Comm.Fish.Rev., 21(8):47-8  
Japan - Liberal landings of small  
yellowfin tuna at Shimizu Harbor

Contents as per title.

FAC:

M

Anonymous (1959) 59-7630  
Comm.Fish.Rev., 21(8):50-1  
Japan - Plan to redeploy salmon  
boats to other fisheries

Contents as per title.

FAO:

M

Anonymous (1959) 59-7628  
Comm.Fish.Rev., 21(8):48-9  
Japan - New vessels being added to  
tuna fleet

Contents as per title.

FAC:

M

Anonymous (1959) 59-7631  
Comm.Fish.Rev., 21(8):51  
Japan - Summer albacore fishing  
continues poor

Contents as per title.

FAC:

M

Anonymous (1959) 59-7629  
Comm.Fish.Rev., 21(8):49-50  
Japan - North Pacific factoryship  
salmon and king crab fisheries trends

Contents as per title.

FAC:

M

Anonymous (1959) 59-7632  
Comm.Fish.Rev., 21(8):52-3  
Japan - Ultrasonics used to locate  
salmon in North Pacific

Contents as per title.

FAC:

M

Anonymous (1959) 59-7633  
Comm.Fish.Rev., 21(8):53  
Korea - Fisheries developments,  
May 1959

Contents as per title.

FAO:

M

Anonymous (1959) 59-7636  
Comm.Fish.Rev., 21(8):56  
Somalia - Development of tuna  
fishery shows promise

Contents as per title.

FAO:

M

Anonymous (1959) 59-7634  
Comm.Fish.Rev., 21(8):55  
Netherlands - First factoryship  
acquired

Contents as per title.

FAO:

M

Anonymous (1959) 59-7637  
Comm.Fish.Rev., 21(8):56-7  
Union of South Africa - Research on  
spiny lobsters planned

Contents as per title.

FAO:

M

Anonymous (1959) 59-7635  
Comm.Fish.Rev., 21(8):55  
Nicaragua - Shrimp industry growing

Contents as per title.

FAO:

M

Anonymous (1959) 59-7638  
Comm.Fish.Rev., 21(8):57  
U.S.S.R. - Fishing fleet operating  
in Bering Sea

Contents as per title.

FAO:

M

Anonymous (1959) 59-7639  
Comm.Fish.Rev., 21(8):59  
Department of the Interior. Fish and  
Wildlife Service - Bristol Bay Alaska  
salmon fishing gear registrations  
announced

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7642  
Comm.Fish.Rev., 21(8):64  
Eighty-sixth Congress (First session)  
Gulf coast Florida shrimp boat  
harbours surveys

Contents as per title.

FAO:

M

Anonymous (1959) 59-7640  
Comm.Fish.Rev., 21(8):60-1  
Eighty-sixth Congress (First session) -  
Columbia River fisheries investigations

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7643  
Comm.Fish.Rev., 21(8):64  
Eighty-sixth Congress (First session)  
Insecticides effect upon fish and  
wildlife

Contents as per title.

FAO:

MF

Anonymous (1959) 59-7641  
Comm.Fish.Rev., 21(8):62  
Eighty-sixth Congress (First session) -  
Dogfish shark eradication

Contents as per title.

FAO:

M

Anonymous (1959) 59-7644  
Comm.Fish.Rev., 21(8):64  
Eighty-sixth Congress (First session)  
Marine mammals protection on high  
seas

Contents as per title.

FAO:

M



Anonymous (1959) 59-7645  
Comm.Fish.Rev., 21(8):64  
 Eighty-sixth Congress (First session) -  
 Oceanography

Contents as per title.

FAC:

M

Lissmann, H.W. & 59-7648  
 K.E. Machin (1958)  
J.exp.Biol., 35(2):451-86  
 The mechanism of object location in  
Gymnarchus niloticus and similar  
 fish



F

Marriage, L.D. (1958) 59-7646  
Educ.Bull.Fish.Comm.Ore., (2):28 p.  
 The bay clams of Oregon (Their  
 identification, relative abundance,  
 and general distribution)  
 CFR 21(8):79.

M

Bainbridge, R. & 59-7649  
 T.H. Waterman (1958)  
J.exp.Biol., 35(3):487-93  
 Turbidity and the polarized light  
 orientation of the crustacean  
Mysidium

F

Okada, Y. & 59-7647  
 K. Mori (1957)  
Jap.J.Ichthyol., 5(3, 4, 5, 6):99-106  
 Ecological study of Salangichthys  
microdon in breeding season

MF

Okada, Y. & 59-7650  
 S.S. Kubota (1957)  
J.Pac.Sci.Hokkaido Univ., Ser. 6, Zool.,  
 13(1-4):99-100  
 A new cyprinoid fish, Pseudorasbora  
parva uchidai, sub-sp. nov. found in  
 Japan

BA 32E(12):42506. New subsp.  
 established on account of  
 characteristic features in the scale  
 number of lateral series, the degree  
 of lack of lateral line organs, the  
 number of dorsal rays & the skull  
 angle in adults in the specimens from  
 streams & ponds near Tsu City.  
 :ba F

Youngs, W.D. (1958) 59-7651  
N.Y.Fish Game J., 5(2):184-204  
Effect of the mandible ring tag on  
growth and condition of fish

SFA 3(3)1750. Studied for smallmouth  
bass, landlocked salmon, brook trout,  
brown trout, & rainbow trout.

afa

MF

Buchholz, M.M. (1958) 59-7654  
Pap. presented at the 20th Midwest  
Wildlife Conf., mimeo, 2 p.  
Failure of some yellow bass to form  
annuli in later years of life

F

Vlasblom, A.G. & 59-7652  
H.P. Wolvekamp (1957)  
Physiol.comp., 4(3):240-6  
On the function of the "funnel" on the  
nest of the waterbeetle Hydrous piceus  
L.

F

Anonymous (1959) 59-7655  
Lake Erie Fish Manag.Committee,  
Subcommittee Res. mimeo, 3 p.  
Lake Erie coordinated program of  
biological research 1959

F

Verheijen, F.J. (1958) 59-7653  
Arch.neerl.Zool., 13(1):1-107  
The mechanisms of the trapping effect  
of artificial light sources upon  
animals

MF

Whitehead, P.J.P. (1959) 59-7656  
E.Afr.Agric.J., 24(4):274-8  
The river fisheries of Kenya - I.  
Nyanza Province

TA 14(July-Aug.). Investigations have  
shown that with increasing  
exploitation there has been an  
excessive destruction of potential  
breeding stocks. Discussion of the  
Nyanza rivers, fishes, their  
migrations, fishing methods, yields &  
the future of the industry.

:ta

F

Grabda, E. & 59-7657  
J. Grabda (1957)  
Zool. Polon., 2(4):325-34  
Tracheliastosis in the common bream,  
Abramis brama L. in Lake Jamno.  
Pl

Describes pathogenic role of this  
parasite on the bream.

FiB:wcb

F

Artüz, M.I. & 59-7660  
R. Tezel (1959)  
Balık Balıkçılık, 7(8):11-5  
Marmaranın derinliklerinde  
(In the depths of the Marmara)

Popular report of R/S ARAR's Sea of  
Marmara cruise, with notes on deep-  
sea fish, crustacea & molluscs.

SJH:efa

M

Artüz, M.I. (1959) 59-7658  
Balık Balıkçılık, 7(7):8-9  
Türkiye sularında orkinozlar ve  
avcılığı - Kısım IV (Tuna in  
Turkish sea-waters and its catch -  
Part IV)

Brief notes on economical importance  
of Thunnus thynnus fishery.

SJH:efa

M

Uner, S. (1959) 59-7661  
Balık Balıkçılık, 7(8):15-9  
Köpek balıkları - Kısım II  
(About sharks - Part II)

A popular article on selachian  
fishes, with notes on some spp. found  
in Turkish waters & their economical  
importance.

SJH:efa

M

Uner, S. (1959) 59-7659  
Balık Balıkçılık, 7(7):13-7  
Köpek balıkları - Kısım I (About  
sharks - Part I)

A popular article on selachian  
fishes.

SJH:efa

M

Scotland. Institute of 59-7662  
Seaweed Research (1959)  
Inveresk, Midlothian, 23 p.  
Annual report for 1958

Review of the activities of the  
institute in technical assistance &  
in research - incl. ecology, algal  
chemistry, plant physiology &  
microbiology -; list of publications  
included.

FAC:tl

M



Johnson, F.R. (1958) 59-7663  
Ghana, Accra, Govt Printer, 22 p.  
Report of the Fisheries Department,  
1957

CFR 21(6):105. Describes the  
activities of the Fisheries  
Department.

icfr

Burt, C.C. (1958) 59-7666  
Abstr. of paper presented at the  
International Seaweed Symposium,  
Galway, Ireland, 3:43  
Study of the anticoagulant,  
laminarian sulphate, derived from  
seaweed

M

Black, W.A.P. (1958) 59-7664  
"In": "Processed Plant Protein  
Foodstuffs", edited by Altschul, A.M.  
Acad.Press Inc., New York:805-27  
The algae

MF

Booth, E. (1958) 59-7667  
Scotsman, 8th Nov.,  
Seaweed as a topic for farmers

M

Black, W.A.P., W.D. 59-7665  
Richardson & F.T. Walker (1958)  
Abstr. of paper presented at the Inter-  
national Seaweed Symposium, Galway,  
Ireland, 3:73  
Growth and gradients of Laminaria  
cloustoni

M

Hirst, E.L., J.J. O'Donnell 59-7668  
& E. Percival (1958)  
Chem. & Ind.(Rev.), 834  
Barry degradation of laminarin

Additional evidence is given for the  
branched-chain structure of  
laminarin.

elth

Manohar, M. (1958) 59-7669  
J.Instn.Engrs India, 39:315-42  
Some aspects of preservation and  
restoration of shorelines and harbour  
areas

BSWA 5(2)530.

M

Chacko, P.I. & 59-7672  
C.M. Pillai (1958)  
Madras, 12 p.  
Studies on utilization of the sea-  
weed resources of Madras State

BSWA 5(2)711.

M

Hiranandani, M.G. (1958) 59-7670  
Bhagirath, 5:163-4  
Silting of Bombay harbour

BSWA 5(2)532.

MF

Kachroo, P. & 59-7673  
J.C. Sharma (1958)  
Indian J. Mar. Biol., 12:253-7  
Further observations on the effects  
of a few herbicides on the aquatic  
flora of Bokaro Reservoir

BSWA 5(2)977.

F

Sircar, S.M. & 59-7671  
M. Kundu (1959)  
Sci. & Cult., 24:332-3  
Effect of root extract of water  
hyacinth (Eichornia speciosa Kunth.)  
on the growth of flowering of rice

BSWA 5(2)707.

F

Anonymous (1959) 59-7674  
Science, 130:259  
Waste disposal report  
Note on the report of the National  
Academy of Sciences - National  
Research Council panel on "Radio-  
active waste disposal into Atlantic  
and Gulf coastal waters".

FAO:glk

M

Barnes, C.A. & 59-7675  
L.K. Coachman (1959)  
Science, 130:273-4  
Oceanographic phenomena in the Arctic basin

Discussion of an interpretation of oceanographic phenomena in the Arctic basin based on measurements for tritium content offered by Giletti & Kulp, 59-7676.

FAO:glk

M

Shenefelt, R.D. (1959) 59-7678  
Science, 130:331  
Taxonomic "descriptions"

Original description of organisms are often difficult to visualize, due to the fact that authors attempt to include the variability of the spp. in the description. Since the scientific name remains associated permanently with the holotype, it is suggested that the description of the holotype - which is a concrete thing - be segregated from the characterization of the sp. - which is conceptual.

FAO:glk

MF

Giletti, B.J. & 59-7676  
J.L. Kulp (1959)  
Science, 130:274  
Oceanographic phenomena in the Arctic basin

Discussion of observations by Barnes & Coachman, 59-7675.

FAO:glk

M

Anonymous (1959) 59-7679  
Science, 130:490-1  
Canadian Oceanographic Institute

Announcement of the establishment of a new Canadian Oceanographic Institute to be known as the Bedford Institute of Oceanography to be situated in the Bedford Basin near Halifax.

FAO:glk

E

Neyman, J. & 59-7677  
E.L. Scott (1959)  
Science, 130:303-8  
Stochastic models of population dynamics

Brief account of 3 distinct stochastic models of dynamic population phenomena analysis. The solution obtained in terms of concept of "elementary mechanisms".

FAO:glk

MF

Anonymous (1959) 59-7680  
Science, 130:492-4  
AEC gives views on radioactive waste disposal at sea

Excerpts from testimony by A.R. Luedecke, general manager of the Atomic Energy Commission, on the National Academy of Sciences-National Research Council report titled "Radioactive waste disposal into Atlantic & Gulf coastal waters", given before the special subcommittee on Radiation of the Joint Congressional Committee on Atomic Energy.

FAO:glk

M



Verduin, J., E.E. Whitwer 59-7681  
& B.C. Cowell (1959)  
Science, 130:268-9  
Maximal photosynthetic rates in nature

Brief description of experiments to determine the reducing effect of turbulence of the medium in the experimental apparatus. States that the maximal terrestrial photosynthetic rates appearing in literature are considerably lower than maximal rates attained under natural conditions.

FAC:efa

F

Yashouv, A. (1958) 59-7684  
Bamidgeh, 10:85-90  
Winter culture of carps at the Fish Culture Research Station - Dor.  
En Iw

Brief account of experiments on winter culture of carps with & without food & fertilizer. Incl. data on growth.

SJH:efa

F

Yashouv, A. (1958) 59-7682  
Bamidgeh, 10:73-5  
The Fish Culture Research Station - Dor.  
Annual report - 1957. En Iw

General review of activities of station.

SJH:efa

F

Yashouv, A. (1958) 59-7685  
Bamidgeh, 10:90-5  
The excreta of carp as a growth limiting factor. En Iw

Brief account of experiments carried out to verify effect of excretion of metabolic body wastes on growth of Cyprinus carpio.

SJH:efa

F

Yashouv, A. (1958) 59-7683  
Bamidgeh, 10:75-85  
Acclimatization of new species in the fishponds of the station. En Iw

Short notes on acclimatization of Ctenopharyngodon idellus (Cuv. & Val.), Catla catla, with a brief report on growth of Megastomatobus cyprinella.

SJH:efa

F

Tillon, R. (1959) 59-7686  
Bol. For. trop., 64:13-8  
Elevage de l'Heterotis niloticus en station de pisciculture (Breeding of Heterotis niloticus in fish-breeding stations)

TA 14(July-Aug.)g2010. Biological study in streams has shown that this sp. may be of interest for fish-breeding. Experiments have been carried out in French Equatorial Africa to determine its conditions of reproduction & growth in ponds. Results obtained confirm interesting piscicultural possibilities.

:ta

F

Kiener, A. (1958) 59-7687

Bull. Madagascar, (148):64 p.

Une mission de pisciculture en Israël  
(A fish-culture mission to Israel)

Description & considerations on  
author's mission to Israel - from  
Madagascar - to inspect & investigate  
the carp culture establishments there.  
His object being to adapt similar  
establishments in Madagascar, as the 2  
countries are very similar in their  
ecological aspect.

FiB:wcb

F

Saito, I. (1957) 59-7690

Rep. Fac. Fish. Hokkaido Univ., 5(1):90 p.

Studies on fishing ground, fishing  
gears and fishing technique in one-  
boat medium trawl fishery

M

Lagoin, Y. (1959) 59-7688

Bull. Madagascar, 9(153):95-106

La pêche côtière malgache dans la  
région de Tuléar (Coastal fishing  
in the Tulear region)

TA 14(July-Aug.)g1846. Description of  
waters round Madagascar & their fish  
population; survey of fishing methods.  
Pearl-shell fishing takes an important  
place but may be detrimental to other  
fishing.

:ta

M

Hartman, O. & J.L. Barnard (1958) 59-7691

Allan Hancock Pacif. Exped., 22(1):67 p.

The benthic fauna of the deep basins  
off southern California

M

Gruber, R. & 59-7689

Y. Mathieu (1959)

Bull. Agric. Congo Belge, 50(2):421-35

Hemichromis fasciatus et la  
pisciculture (Hemichromis fasciatus  
and fish culture)

TA 14(July-Aug.)g2011. A small voracious  
fish, very common from Senegambia to  
Angola. In the Belgian Congo it is  
found particularly in the small rivers  
of the East & Equatorial Provinces.  
Description of the spp. & of the  
characteristics by which it is  
distinguished from Tilapia. Discussion  
of the most effective breeding methods.

:ta

F

Masselli, J.W., N.W. 59-7692

Masselli & M.G. Burford (1958)  
Boston, New England Interstate Water  
Pollution Control Comm., 40 p.

Tannery wastes, pollution sources and  
methods of treatment

F

Yashouv, A. (1958) 59-7695  
Bamidgeh, 10:21-9  
On the possibility of mixed  
cultivation of various tilapia with  
carp. En Iw

Discusses results of experiments of  
mixing carp, Carpio carpio, & Tilapia  
galilaea & T. nilotica in fish ponds.

SJH:wcb

F

Glazner, M. (1958) 59-7696  
Bamidgeh, 10:32-5  
First report on the growth of nutria  
in fish ponds and their influence on  
destruction of coarse vegetation.  
En Iw

Describes use of Nutria to clear  
large areas of vegetation from  
fish ponds.

SJH:wcb

F

Marek, M. (1958) 59-7694  
Bamidgeh, 10:29  
A modified fish grader with an  
extendable grille. En Iw

Describes fish grader.

SJH:wcb

F

Ehrlich, S. (1958) 59-7697  
Bamidgeh, 10:36-43  
The biology of the nutria.  
En Iw

SJH:x

Sarig, S. (1958) 59-7695  
Bamidgeh, 10:30-1  
A construction for spraying fishponds  
from a boat. En Iw

Contents as per title.

SJH:wcb

F

Yashouv, A. (1958) 59-7698  
Bamidgeh, 10:47-52  
Biological data on Tilapia galilaea  
and Tilapia nilotica in the fish  
ponds. En Iw

Deals with reproduction, rate of  
growth & nutrition for T. galilaea  
& T. nilotica.

SJH:wcb

F



Kitai, H. (1958) 59-7699  
Bamidgeh, 10:52-4  
Mobile pump for increasing the  
oxygen content of the pondwater.  
En Iw  
Describes use of pump to relieve  
oxygen deficiency in fish ponds.

SJH:wcb

F

Brynildson, C. (1958) 59-7702  
Wis.Conserv.Bull., 23(5):1-3  
What's happening to northern pike  
spawning grounds?

Discusses destruction of spawning  
grounds of northern pike in  
Wisconsin lakes.

WAD:wcb

F

Glazner, M. (1958) 59-7700  
Damidgeh, 10:54-9  
Supplement to the report on nutria  
culture in fish ponds at Kfar Rupin.  
En Iw

Additional information on feeding of  
nutria on natural vegetation on the  
embankments of ponds, & trapping, &  
effect on fish yield.

SJH:wcb

F

Podoll, E. (1958) 59-7703  
Wis.Conserv.Bull., 23(8):1-4  
Wisconsin farm ponds

Discusses use, design & management  
of Wisconsin farm ponds.

WAD:wcb

F

Earlich, S. (1958) 59-7701  
Bamidgeh, 10:60-70  
The biology of the nutria

SJH:x

Harris, R.F. (1958) 59-7704  
Wis.Conserv.Bull., 23(10):1-3  
Trawling comes to Wisconsin

Use of trawl in harvest of rough  
fish especially sheepshead or  
freshwater drum.

WAD:wcb

F

Kohler, M.A. (1958) 59-7705  
Tech.Note Wld met.Org., (25):  
Design of hydrological networks

F

Hyman, L.H. (1959) 59-7708  
Proc.U.S.nat.Mus., (3410):543-97  
A further study of Micronesian  
polyclad flatworms

M

Linsley, R.K. (1958) 59-7706  
Tech.Note Wld met.Org., (26):  
Techniques for surveying surface-  
water resources

F

Smith, W.Campbell (1959) 59-7709  
Nat.Hist.Rep.Terra Nova Exped., 2(2):  
109-50  
The volcanic rocks of Cape Adare,  
South Victoria Land

M

Florida State University. The 59-7707  
Oceanographic Institute (1958)  
Callahan, 12 p.  
Annual report for the fiscal year 1957-  
1958  
  
Staff, facilities, summaries, research  
by faculty & visitors; list of  
contributions; instruction & courses  
given; conferences financial report.  
Appendix gives complete list of  
publications from 1950, & dissertations.

FiB:sjh

F

Heezen, B.C., M. Sharp 59-7710  
& M. Ewing (1959)  
Spec.Pap.Geol.Soc.Amer., (65):122 p.  
The floors of the oceans - I. The  
North Atlantic. Text to accompany  
the physiographic diagram of the  
North Atlantic

M

Treadwell, T.K. (1958) 59-7711  
Bilit.İngr., March-April  
Hydrographic survey in the Arctic

Anonymous (1959) 59-7714  
Balık Balıkçılık, 7(6):17-21  
Denizaltı ilminde fotoğraf çekmek  
için yapılan incelemeler  
(Photographing the deep sea creatures)

A popular account of deep-sea  
photography.

See:efa

1

Nemoto, K. (1958) 59-7712  
15 p.  
(Study of migration of fin whales in  
the North Pacific according to the  
diatoms attached to their bodies).

11

Contents as per title.

Slasterenko, E.P. (1958) 59-7715  
Bull.Shevchenko sci.Soc., 1(6):3-11  
The distribution of freshwater fishes  
in the provinces and the main water  
basins of Canada

A table, listing spp. in systematic  
order, & indicating whether present,  
introduced, not known, possibly  
present, in each of 12 provinces &  
4 water basins.

See:ym

11

See:ym

11

Artüz, M.I. (1959) 59-7713  
Balık Balıkçılık, 7(6):8-10  
Türkiye sularında orkinozlar ve  
avcılığı - Kısım III (Tuna in  
Turkish sea-waters and its catch -  
Part III)

Brief account of Thunnus thynnus  
fishing in Turkish waters by tuna traps.  
Lists locations of traps in the  
Bosphorus.

See:efa

Aliveira, J. & 59-7716  
J. dos Santos Pinto (1957)  
Rev.Fac.Sci.Lisboa, Ser.2, 60(1):5-14  
Evaluation of the average weight of  
the pilchard (Sardina pilchardus Walb.)  
off the Portuguese coasts in the years  
1952-1956. Pr

A determination of the regression  
curve weight/length which was found  
to satisfactorily adjust to the mean  
values of the 1st 4 years.

See:hr

11



Anonymous (1958) 59-7717  
Beretn.vedrør.Grønland, (1):53-65  
Fiskeribiologiske undersøgelser i 1957  
under ledelse af dr. phil.Paul M.  
Hansen (Fisheries biological  
investigations during 1957 under the  
leadership of Dr.Phil. Paul M.Hansen)

Summary of hydrographical  
observations, & investigations on the  
biology of cod, herring & other  
commercial spp. from East & West  
Greenland waters.

FiB:tl

M

IPFC (1958) 59-7720  
Occ.Pap.Indo-Pacif.Fish.Coun., (58/2):  
5 p.  
Fisheries planning and production in  
Taiwan

Extracts from report on "Agricultural  
Planning and Production", by T.H. Sen,  
issued on authority of Committee D,  
Economic Stabilization Board. General  
notes of biogeography of area; deep-  
sea & inland fisheries production;  
investments for development;  
achievement of plans.

FiB:sjh

MF

Palekar, V.C. & 59-7718  
D.V. Bal (1957)  
J.Timber Dryers' Preserv.Ass.India,  
3(2):2-3

Stray occurrence of crustacean wood  
borers in Bombay waters

Records of Limnoria & Sphaeroma spp.  
on submerged wood panels.

FiB:sjh

M

IPFC (1958) 59-7721  
Occ.Pap.Indo-Pacif.Fish.Coun., (58/3):  
4 p.

Expanded Technical Assistance Program  
quarterly list of FAO final reports  
transmitted to governments as at  
31 March 1958

Gives titles, authors, language &  
serial numbers of reports on  
fisheries projects completed since  
initiation of ETAP programme, by  
countries.

FiB:sjh

MF

Grabda, J. (1958) 59-7719  
Wiadomosci Parazyt., 4(5-6):633-6  
Developmental cycle of Lernaea  
cyprinacea L. En Pl

Study of life history by in vitro  
hatching, & artificial infection to  
this parasitic copepod, of Gasterosteus  
aculeatus, Rhodeus sericeus amarus,  
Alburnus alburnus, Tinca tinca &  
Carassius carassius.

GLK:sjh

F

U.K. Treaties, etc. (1958) 59-7722  
Comm. (517), Treaty Ser., (33):  
Agreement relating to the International  
Convention for Regulating the Police  
of the North Sea Fisheries signed at  
the Hague on May 6, 1882

Reprint of this agreement ratified  
by the UK in 1958, to give effect in  
respect of the Federal Republic of  
Germany, to the agreement originally  
signed in 1882.

FAO:glk

M

Anonymous (1958) 59-7723  
Arid Zone, 1(1):11-2  
Teheran symposium on salinity problems

Announcement of international meeting,  
October 1958, agenda of which incl.  
discussion of hydrology with reference  
to salinity.

FiB:sjh

MF

Anonymous (1958) 59-7726  
Arid Zone, 1(2):9-11  
Demineralization of saline water

Reports results of activities  
described in 59-7724.

FiB:sjh

MF

Anonymous (1958) 59-7724  
Arid Zone, 1(1):13-4  
Activities relating to the  
demineralization of saline water

Reports UNESCO & other international  
activities in this field.

FiB:sjh

MF

Anonymous (1953) 59-7727  
Arid Zone, 1(2):11-2  
International action in the field  
of water resources

A short review of situation, with  
notes on UN Water Resources Centre,  
survey of national hydrologic  
services, coordination of activities  
in field of surface water hydrology;  
terminology relating to water  
resources.

FiB:sjh

F

Anonymous (1958) 59-7725  
Arid Zone, 1(2):7-8  
UNESCO-Iran symposium on salinity  
problems

Report of meeting previously  
announced, 59-7723. Section on  
hydrology & salinity, & demonstration  
of saline water incl.

FiB:sjh

MF

Tirado Lamb, G. (1958?) 59-7728  
Lima, Consejo de Investigaciones  
Hidrobiologicas, 12 p.  
Informe anual del año 1957  
(Annual report for 1957)

Reports on administration &  
organization, development of research  
programme & miscellaneous items.

FiB:hr

M

American Fisheries Society 59-7729  
Meeting, Philadelphia, Pa.  
September 8, 1958 (1958)  
16 p.

A partial transcript of the  
proceedings of the business session

Deals only with matters affecting  
membership structure, dues and related  
discussion.

FiB:sjh

F

Scottish Home 59-7732  
Department (1959)

Freshw.Salm.Fish.Res., (23):15 p.  
Tenth annual report of the  
supervisory committee for brown trout  
research, 1957-1958

Incl. a report on the staff, research  
& publications of the Freshwater  
Fisheries Laboratory at Pitlochry  
Scotland, for the period Nov. 1957-  
Oct. 1958; summarizes investigations  
on trout, stream improvement, benthos,  
phytoplankton, fertilization, & other  
chemical studies.

FAO:wad

F

Expert Meeting on Fishery 59-7730  
Statistics in the North Atlantic  
Area, Edinburgh, Scotland,  
22-30 September 1959 (1959)  
FAO/ICES/ICNAF - ESTANA/3, 18 p.  
Prospectus and program

Agenda, proposed organization of  
work.

FiB:sjh

M

Gade, H.G. (1958) 59-7733  
J.Mar.Res., 16:61-82

Effects of a nonrigid, impermeable  
bottom on plane surface waves in  
shallow water

Theoretical investigation of the decay  
of the waves in shallow water due to  
dissipation in a fluid bottom & due to  
friction loss over a rigid sand bottom.

GLK:tl

M

Scheele, M. (1958) 59-7731  
Stuttgart, E. Schweizerbart'sche  
Verlagsbuchhandlung, 175 p.  
Fünfzig Jahre Archiv für Hydrobiologie  
Eine Literatur-Analyse der Limnologie  
dargestellt an den Bänden 1-50, 1906-  
1955 (Fifty years "Archiv für  
Hydrobiologie" - A literature analysis  
of limnology treated in vols. 1-50,  
1906-1955)

Compiles author, title, topic &  
subject indexes & gives cross  
references for theoretical & applied  
limnological papers.

GLK:efa

F

Hamon, D.V. (1958) 59-7734  
J.Mar.Res., 16:83-9

The effect of pressure on the  
electrical conductivity of sea-water

Values of the pressure coefficient of  
electrical conductivity of sea-water  
(chlorinity 19.7‰) at different  
temperatures are presented. The  
accuracy is estimated to be  $\pm 5\%$ .  
The results have been confirmed by  
tests at sea.

GLK:tl

M



Roden, G.I. (1958) 59-7735

J.Mar.Res., 16:90-5

Spectral analysis of a sea-surface temperature and atmospheric pressure record off Southern California

Results of spectral analyses of sea surface temperature at La Jolla & pressure difference at Lat. 30N, Long 110-130W. The energy density, auto-correlation, coherence & phase relations are investigated.

GLK:tl

M

Reid, R.O. (1958)

59-7738

J.Mar.Res., 16:109-44

Effect of Coriolis force on edge waves.  
(1) Investigation of the normal modes

Theoretical investigation of the modes of the edge waves, their kinematic behaviour & general theoretical consideration of the problems of forced wave.

GLK:tl

M

Tyler, J.E. (1958)

59-7736

J.Mar.Res., 16:96-9

Comparison of light distribution above and below water

Relative radiance by various tilt angles in air & in the lake water in 2.5 cm, 3.05 m, & 6.1 m depth.

GLK:tl

F

Kajiura, K. (1958)

59-7739

J.Mar.Res., 16:145-57

Effect of Coriolis force on edge waves. (II) Specific examples of free and forced waves

Modification of edge waves due to Coriolis force is examined in terms of 2 specific problems: dispersion of an initial deformation of the water surface; the forced wave due to a moving atmospheric pressure disturbance.

GLK:kk

M

Schooley, A.H. (1958)

59-7737

J.Mar.Res., 16:100-8

Profiles of wind-created water waves in the capillary-gravity transition region

Result of experimental investigations on the profiles of capillary waves in a small water-wind tunnel.

GLK:tl

MF

Aron, W. (1958)

59-7740

J.Mar.Res., 16:158-73

The use of a large capacity portable pump for plankton sampling, with notes on plankton patchiness

Description of the pump & its use; comparison of the plankton catches - fish eggs, copepods & other motile organisms - made with pump & net; notes on patchiness of zooplankton.

GLK:tl

M

Obregón, F. (1958) 59-7741

Bol. Estud. Banco nac. Crédito Ejidal,  
(117):

Algunas notas sobre la crianza de la  
carpa seleccionada de Israel (Some  
notes on the breeding of the selected  
carp from Israel)

Describes the nature & aims of fish  
culture. Lists the 6 existing & 2  
planned fish culture stations of the  
national campaign. Describes the  
requirements & procedures of a fish  
culture station & those for farm ponds.

:of

F

Perkins, E.J. (1958) 59-7744

Ann. Mag. nat. Hist., Ser. 10, 1954-77

The food relationships of the  
microbenthos, with particular  
reference to that found at Whitstable,  
Kent

The food of the microbenthos, viz.  
nematodes, ostracods & copepods is  
described & its significance in the  
economics of the shore is discussed.

FiB:ejp

M

Anonymous (1958) 59-7742

El Campo, (792-793):69-70

La carpa seleccionada de Israel  
(Selected carp from Israel in Mexico)

F

Snow, H. (1958) 59-7745

Wis. Conserv. Bull., 23(2):1-4

Forty-four year old at Murphy flowage

General account of life history &  
fishery.

WAD:wcb

F

Anonymous (1958) 59-7743

Vida rural en Mexico, (3):8

Impulso a la piscicultura (An  
impulse to fish culture)

Describes the fish culture campaign of  
Banco Nacional de Crédito Ejidal -  
National Bank for Credit to Community  
Projects -, the adaptation of selected  
carp from Israel in preference to  
other spp. & the reason therefor.

:a

F

Wirth, F.L. (1958) 59-7746

Wis. Conserv. Bull., 23(5):1-3

Lake Winnebago freshwater drum

General discussion of life history  
& fishery.

WAD:wcb

F

Ivlev, V.S. (1958) 59-7747  
Biull.moskovsk.Obshchest.Isyt.Prirody,  
Otd.Biol., 63(1):5-14  
 Nekotorye voprosy teoreticheskoi  
 ekologii (Some problems of  
 theoretical ecology). En

Various interpretations of quantitative  
 laws governing the numeric growth  
 of populations are discussed. Examines  
 some simple schemes in which the growth  
 of populations is described by  
 exponential equations. An example taken  
 from Gause's work is used for the  
 analysis of that author's ideas.

GLK:vsi

MF

Zobairi, A.R.K. (1958) 59-7750  
Pakist.J.biol.agric.Sci., 1(2):113-8  
Transplantation of Lebistes  
reticulatus (Peters) into East  
 Pakistan

Describes aquarium experiments at  
 Dacca to examine its efficiency for  
 mosquito control & ecological  
 relations with allochthonous spp. of  
Catha, Labao & Cirrhina.

SJH:sjh

F

Isaac, P.C.G., P. Coackley 59-7748  
 & M. Lodge (1958)  
J.W.Afr.Sci.Ass., 4:150-4  
 A note on some water samples collected  
 in West Africa

A study of growth of algae in sewage  
 containing description of locations  
 where the samples were taken, &  
 results of chemical & microscopic  
 examinations.

FAO:hr

F

Bruievich, S.V. & 59-7751  
 Ye.D. Zaitseva (1958)  
Trud.Inst.Okeanol., 26:8-108  
 K khimii osadkov Beringova moria  
 (Chemistry of the deposits of the  
 Bering Sea)

M

Hubbs, C.L. & 59-7749  
 K.F. Lagler (1957)  
Mich.Fish., (1):1-6  
 List of fishes of the Great Lakes and  
 tributary waters

WR (94):81.

F

Klepikov, V.V. (1958) 59-7752  
Probl.Severa, 1:318-29  
 Proiskhozhdeniie i rasprostraneniie  
 pridonnykh antarkticheskikh vod  
 (Origin and distribution of Antarctic  
 bottom water)

N



Kusunoki, K. (1958) 59-7753  
Antarctic Rec., (3):32-40  
Preliminary report of oceanographic  
observation of the Japanese Antarctic  
Research Expedition I, 1956-1957, with  
the SOYA

M

Churkina, N.A. (1958) 59-7756  
Probl. Severa, 1:337-40  
Dreif buiev v tsentral'noi Arktike i  
v arkticheskikh moriakh (Drifts of  
buoys in the central Arctic and in  
arctic seas)

M

Krutskikh, B.A. & 59-7754  
N.P. Bulgakov (1958)  
Probl. Arktiki, 4:98  
Semenovskaia Banka (Seimenovskaia  
Bank)

M

Antonov, V.S. (1958) 59-7757  
Probl. Severa, 1:52-64  
Rol' materikovogo stoka v rezhime  
techenii Severnogo Ledovitogo okeana  
(Role of river water in regime of  
currents in the Arctic Ocean)

M

Timofeiev, V.T. (1958) 59-7755  
Probl. Arktiki, 4:23-8  
Priblizhennoie opredeleniie teplovogo  
balansa vod Arkticheskogo basseina  
(Approximate determination of the heat  
balance of the waters of the Arctic  
Basin)

M

Timofeiev, V.T. (1957) 59-7758  
Probl. Arktiki, 2:41-51  
Atlanticheskiiye vody v arkticheskoy  
basseine (Atlantic water in the  
Arctic Basin)

M

Power, G. (1958) 59-7759  
Arctic, 11(1):63-4  
Salmon investigations on the Koksoak  
River, 1957

MF

Martin, A.W. et al. (1958) 59-7762  
J.exp.Biol., 35(2):260-79  
The blood volumes of some  
representative molluscs

M

Crisp, J. (1958) 59-7760  
London, R. Hale, 184 p.  
South of Cape Horn: a story of  
antarctic whaling

Banner, A.H. & 59-7763  
H. Boroughs (1958)  
Proc.Soc.exp.Biol., N.Y., 8:776-8  
Observations on toxins of poisonous  
fishes

M

Kohn, A.J. (1958) 59-7761  
Hawaii med.J., 17(6):528-32  
Recent cases of human injury due to  
venomous marine snails of the genus  
Conus

M

Yamada, M. (1957) 59-7764  
J.Fac.Sci.Hokkaido Univ., Ser. 4,  
13(1-4):156-60  
Marine hydroids from the Vladivostok  
region

M

Gibbs, R.H., Jr. (1957) 59-7765  
Lloydia, 20(3):186-211  
Cyprinid fishes of the subgenus  
Cyprinella of Notropis - II.  
Distribution and variation of Notropis  
spilopterus, with the description of a  
new subspecies

F

Bantock, C.R. (1958) 59-7768  
Ent.mon.Nag., 93:273  
Limnephilus bipunctatus Curtis  
(Trich., Limnephilidae) in  
Oxfordshire



F

Balinskii, B.I. (1958) 59-7766  
J.ent.Soc.S.Afr., 21(1):227-9  
Notes on the distribution of Odonata  
in South Africa

F

Carnes, W.C. (1958) 59-7769  
N.Carolina Wildl. Resour.Comm., Fish.  
Div.Job no.3, Project F-5-R, 60 p.  
Special progress report on the  
experimental pond activities in  
district 5

F

Balinskii, B.I. (1957) 59-7767  
J.ent.Soc.S.Afr., 20(2):280-94  
Classification of the females in the  
genus Pseudagrion (Odonata) based on  
thoracic structure

F

Delacour, J. (1957) 59-7770  
Los Angeles County Mus.Contr. in Sci.  
(1):1-11  
The Iachris Brazilian expedition;  
general account

F



Charnock, H. (1958)  
Sci. Progr., 46:487-501  
Wind-generated water waves

59-7771

M

Redfield, A.C. &  
A.R. Miller (1957)  
Met. Monogr., 2(10):1-23  
Water levels accompanying Atlantic  
coast hurricanes

59-7774

(issued as: Contr. Woods Hole oceanogr.  
Inst., (828) ).

M

Greenspan, H.P. (1958)  
J. Fluid Mech., 4:330-4  
On the breaking of water waves of  
finite amplitude on a sloping beach

59-7772

M

Groves, G.W. (1957)  
Met. Monogr., 2(10):32-45  
Day to day variation of sea level

59-7775

Tide gauge data are submitted to a  
special averaging process that  
eliminates the diurnal & higher species  
tides. The process has been applied to  
simultaneous data from many locations  
in order to obtain records of sea level.  
The observed tide activity is largely  
associated with variable atmospheric  
pressure & wind. Comparisons among  
water density & wind data are made.  
(issued as: Contr. Scripps Instn  
Oceanogr., (948), 1958).

FAO: gwg

M

Martin, A.V.J. (1957)  
Ann. Géophys., 13:307-9  
Sur la propagation du son dans l'eau  
de la mer (On the propagation  
of sound in sea water)

59-7773

M

Hilder, B. (1958)  
Naut. Mag., 180:24-6  
Phosphorescence and magnetism

59-7776

M

Sawada, T. (1958) 59-7777  
J.met.Soc., Japan, 36:32-9  
A practical method of forecasting ice-  
area movement

Haubert, A. (1958) 59-7780  
Ann.Géophys., 14:368-72  
Echos radioélectriques observés sur  
la houle à la station de sondages  
ionosphériques de Casablanca  
(Radioelectric echos observed on the  
swell at the ionospheric  
observation station Casablanca)

Ivanov, R.N. (1958) 59-7778  
Bull.Acad.Sci.U.R.S.S.(Géogr.), 1958:  
573-7  
(On the mechanism of the transfer of  
the energy of the wind to an ocean  
current). Ru

Pellisari, L. (1958) 59-7781  
Riv.Met.Aero., 18(4):66  
Conclusa la terza crociera  
talassografica nel Tirreno, s'inizia  
la quarta (The third talassographic  
cruise in the Tyrrhenian Sea  
terminated, the fourth started)

Tareev, B.A. (1958) 59-7779  
Bull.Acad.Sci.U.R.S.S.(Géogr.), 1958:  
605-12  
(Drift currents in the sea under the  
action of a wind varying with time).  
Ru

Sauberer, F. (1958) 59-7782  
Wetter u.Leben, 10:67-9  
Zur Durchsichtigkeitsmessung in  
Gewässern (On the visibility  
measurement of waters)

Tancreto, A.E. (1958) 59-7783  
Mon. Weath. Rev. Toronto, 86:197-200  
 A method for forecasting the maximum  
 surge at Boston due to extratropical  
 storms

Muromtsev, A.M. (1958) 59-7786  
Bull. Acad. Sci. U.R.S.S. (Géogr.), (4):  
 24-32  
 (Scheme of the general circulation  
 of waters in the Pacific Ocean).  
Ru

Schenck, H. (1957) 59-7784  
J. opt. Soc. Amer., 47:653-7  
 On the focusing of sunlight by  
 ocean waves

Hakodate, Marine 59-7787  
 Observatory (1958)  
Mar. met. Rep., Hakodate, 2:1-70  
 (Report of the marine meteorological  
 observations in the northern part  
 of North Pacific Ocean (the salmon  
 fishery grounds) 1957). Ni

Koshliakov, M.N. (1958) 59-7785  
Bull. Acad. Sci. U.R.S.S. (Géogr.), (4):  
 11-23  
 (Some problems of the general  
 circulation of the oceans). Ru

Nagai, T. (1958) 59-7788  
J. met. Res., Tokyo, 10:480-4  
 (On the forecasting of wave height  
 in the Eastern China Sea in winter  
 season). Ni En



Fritz, S. (1958) 59-7789  
Arch.Met., Wien, 10A:291-300  
Seasonal heat storage in the ocean and  
heating of the atmosphere

M

Rice, M.L. (1958) 59-7792  
Met.Abstr., 9:731-73  
Recent literature on dynamic and  
physical oceanography (supplement)

1

Skibko, N.E. (1957) 59-7790  
Trud.morsk.gidrofiz.Inst., 10:32-52  
(Characteristics of the regime of  
winds and waves in the Red Sea, Indian  
Ocean and the south and east China Seas).  
Ru

M

Rice, M.L. (1958) 59-7793  
Met.Abstr., 9:598-631  
Recent literature on physico-chemical  
oceanography

11

Brovikov, I.S. & 59-7791  
Iu.M. Krylov (1958)  
Met.Gidrolog., (2):37-41  
(Critical analysis and evaluation of  
the formulae of L.F. Titov for  
calculating the properties of waves  
generated by wind on a deep sea).  
Ru

M

Walden, R.G., D.D. Ketchum 59-7794  
& D.N. Frantz (1957)  
Electronics, 30:164-7  
Buoy telemeters ocean temperature  
data

11

Benditskii, N.D. (1958) 59-7795  
Met.Gidrolog., (6):53-4  
(On the measurement of temperature of  
the surface layer of water in the  
open sea). Ru

M

Skriptunova, L.I. (1958) 59-7798  
Met.Gidrolog., (2):17-23  
(On the computation of the temperature  
of the water in the North Atlantic  
in the cold part of the year). Ru

M

Polli, S. (1957) 59-7796  
Pubbl.Ist.talassogr.Trieste, (344):5 p.  
Il livello del mare quale riferimento  
altimetrico (The sea level with  
reference to the altimetry). En

M

Sasaki, T. et al. (1958) 59-7799  
J.sci.Res.Inst., Tokyo, 52:71-7  
Angular distribution of submarine  
daylight intensity in a horizontal  
plane

M

Timofeeva, V.A. (1957) 59-7797  
Trud.morsk.gidrofiz.Inst., 11:97-104  
(Diffusion of illumination in the sea).  
Ru

M

Hakodate, Marine Observatory. 59-7800  
Marine Meteorological Section (1958)  
Oceanogr.Rep., Tokyo, 7:67-74  
(The charts of the mean surface water  
temperatures in the neighbouring Sea  
of Japan (1911-1940) ). Ni En

M

Japan. Meteorological Agency, 59-7801  
 Oceanographical Section (1958)  
Oceanogr.Rep., Tokyo, 7:59-65  
 (Monthly means of sea-surface water  
 temperature in the sea east of  
 Honshu). Ni En

Hoshi, T. (1958) 59-7804  
J.met.Res., Tokyo, 10:532-4  
 (On the inertial current in the  
 ocean). Ni

M

M

Ostrowski, S. (1958) 59-7802  
Acta geophys.polon., 6:186-7  
 (The silicium content in the water  
 of Gdansk Bay). Fl

Deutscher Hydrographischer 59-7805  
 Institut (1958)  
Hamburg, 62 1.  
 Strombeobachtungen in der südwest-  
 lichen Nordsee in den Jahren 1951-  
 1955 (Current observations in the  
 southwestern part of the North Sea  
 during 1951-1955)

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 Observatory (1958)  
Mar.met.Rep., Hakodate, 2:71-2  
 (On the current in the northern part  
 of North Pacific Ocean in summer).  
Ni

Walden, H. (1958) 59-7806  
Seewart, Hamburg, 19:149-53  
 Wie hoch war der Seegang beim  
 Untergang der "Normackite"?  
 (How heavy was the swell during  
 the sinking of the "Normackite"?)

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Anonymous (1958) 59-7807  
J. Franklin Inst., 266:79-80  
Circulation of Atlantic studied

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Blanchard, D.C. (1958) 59-7810  
J. Amer. met. Soc., 15:383-96  
Electrically changed drops from  
bubbles in sea water and their  
meteorological significance

(issued as: Contr. Woods Hole  
oceanogr. Inst., (849) ).

M

Leonov, A.K. (1958) 59-7808  
Bull. All-Un. geogr. Soc., 90:244-64  
(On some properties of the temperature  
structure and currents of the Japan  
Sea). Ru

M

Keller, J.B. (1958) 59-7811  
J. Fluid Mech., 4:607-14  
Surface waves on water of non-uniform  
depth

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Timov, L.F. (1958) 59-7809  
Met. Hidrolog., (9):38-41  
(A formula for the calculation of  
the elements of sea wind waves).  
Ru

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Talbot, F.H. (1958) 59-7812  
Ann. Mag. nat. Hist., 1(13):748-52  
On Plectropmus maculatus (Bloch) and  
P. marmoratus (n.sp.) from East  
Africa (Pisces Serranidae)

BA 33(10)39537. Fishes are described  
from Zanzibar.

aba

M

Atlantic States Marine 59-7813  
Fisheries Commission. Scientific  
Committee (1958)  
Mount Vernon, N.Y.  
Recent advances in marine fishery  
research along the Atlantic coast. A  
report of the biological section of  
the Scientific Committee to the  
Atlantic States Marine Fisheries  
Commission

M

U.S. Congress. Senate 59-7816  
Committee on Interstate &  
Foreign Commerce (1958)  
Washington, Govt Print.Off., 281 p.  
Fisheries legislation. Hearings  
before the Committee on Interstate  
and Foreign Commerce, U.S. Senate, 85th  
congress, 2nd session, on S. 237 (and  
others) July 15, 16, and 17, 1958

MF

Wheeler, A.C. (1958) 59-7814  
Bull.Brit.Mus.(nat.hist.), 1(5):249  
The Gronovius fish collection: a  
catalogue and historical account

MF

Laquette, R.C. (1958) 59-7817  
Tech.Rep.Dep.Oceanogr.Univ.Wash., (61)  
57 p.  
A modification of the Wenner-Smith-  
Sowle salinity bridge for the  
determination of salinity in sea  
water. With details of construction,  
operation and maintenance

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U.S. Congress. Senate. 59-7817  
Committee on Interior &  
Insular Affairs (1957)  
Washington, Govt Print.Off., 456 p.  
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hearings before the Committee on  
Interior and Insular Affairs and the  
Committee on Public Works, United  
States Senate, eighty-fifth congress,  
first session, on problems of  
operation of multiple-purpose projects  
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and 3, 1957

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Tech.Rep.Dep.Oceanogr.Univ.Wash., (57)  
The measurement of transports and  
currents in small tidal streams by  
an electromagnetic method

M

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 89  
 (Histological and histochemical study  
 on processing the squid meat. I.  
 Histological properties of the squid  
 meat). Ni En

McInerny, D. & G. Gerard (1958) 59-7822  
 London, Harrap, 480 p.  
 All about tropical fish

low

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Fitch, J.E. (1958) 59-7820  
 Sacramento, 79 p.  
 Offshore fishes of California

DL33E(12). Incl. short general sections on  
 geologic history, numerical abundance,  
 classification, natural history &  
 management of marine fishes. Specific  
 information on distinguishing  
 characteristics, distribution, life  
 history, fishery & use for 27 of the  
 more important spp. Ill.

Eckert, B. (1959) 59-7823  
Z.vergl.Physiol., 41(5):500-26  
 Über das Zusammenwirken des erregenden  
 und des hemmenden Neurons des M.  
 abductor der Krepsschere beim Ablauf  
 von Reflexen des myotatischen Typus  
 (On the cooperation of the exciting  
 and restraining neurons of the  
 abductor in crayfish's claw during  
 the reflexes of the myotatic type)

:sjh

M

low

F

Ajia, K. (1957) 59-7821  
Tokyo, 253 p.  
 Japanese fisheries: their development  
 and present status

Smisek, J. & 59-7824  
 M. Vejvoda (1958)  
Ann.Acad.tchécosl.Agric., 3(31):281-94  
 Das Vorkommen der natürlichen  
 Fischnahrung in Forellenteichen bei  
 intensiver Regenbogenforellenbrut-Zucht  
 (Occurrence of natural food in ponds with  
 intensive rainbow trout culture)

MF

low

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Wolander, P. (1958) 59-7825  
Tech.Rep.Johns Hopkins Univ., (7)  
 An advective model of the ocean  
 thermocline

low

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Truelle, M.A. (1958) 59-7828  
Ann.Acad.tchécosl.Agric., 3(31):333-40  
 Der Einfluss der Abwässer aus der  
 Kunstkautschukerzeugung auf Fische.  
 (The effect of waste waters from the  
 artificial caoutchouc industry on  
 fishes)

low

F

D'Arcy Thompson, R. (1958) 59-7826  
London, Oxford Univ.Press, 244 p.  
 D'Arcy Thompson, the scholar-naturalist

A biography of this biologist, which  
 refers to his work in fisheries &  
 related fields.

FAO:sjh

MG

Volf, F. & 59-7829  
 J. Havelka (1958)  
Ann.Acad.tchécosl.Agric., 3(31):299-310  
 Die Benützung von Chloromycetin zur  
 Bekämpfung der infektiösen Bauch-  
 wassersucht (The use of chloromycetin  
 against infectious dropsy)

low

F

Stědronský, E. & 59-7827  
 C. Pekar, (1958)  
Ann.Acad.tchécosl.Agric., 3(31):259-80  
 Die Ernährung und das Wachsen der  
 Karpfenbrut (Food and growth of  
 carp fry)

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U.K. National Institute 59-7830  
 of Oceanography (1957)  
Int.Rep.Wormley nat.Inst.Oceanogr., (A11)  
 Instructions for mean sea-level and  
 long-wave studies during the  
 International Geophysical Year

low

M

Sansfaçon, J. & 59-7831  
 V. Legendre (1957)  
Montréal, 107 p.  
 Bibliographie des documents sérieux  
 ayant publié sur les poissons, la  
 pêche et les pêcheries du Canada  
 (Bibliography of the titles of serial  
 documents having been published on the  
 fishes, fishing, and fisheries of  
 Canada)

Preliminary edition.

MF

Fuortes, M.G.F. (1958) 59-7834  
Amer.J.Ophthal., 46(3), Ser.3, Pt.2  
 Electrophysiology of the visual system.  
 Symposium held at Wilson Hall, National  
 Institutes of Health, Bethesda, Md.

Individual papers to be cited &  
 annotated later; they include study of  
 electrical stimulation of Limulus eye,  
 crayfish caudal receptor, color  
 receptors in fish.

:sjh

MF

Sufi, S.M.K. (1958) 59-7832  
Pakist.J.Sci., 10(2):62-4  
 Occurrence of the fish Chela laubuca  
 (Ham.) in the Hyderabad and Khaipur  
 divisions of West Pakistan with notes  
 on the synonyms of Chela cachius (Ham.)

The distribution of C. laubuca, not  
 hitherto recorded from West Pakistan, as  
 recorded from various localities in  
 India & some remarks on the 301 specimens  
 now collected, are given.

:ss

Okada, Y. & 59-7835  
 K. Mori (1958)  
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):26-8  
 Ecological study of Salangichthys  
microdon in breeding season. II.  
 Development of the "White fish",  
Salangichthys microdon

Ill. description of artificial  
 fertilization & rearing of this sp. for  
 one month.

FiB:sjh

F

Elnahal, I.M. (1958) 59-7833  
Mon.Bull.Minist.Supply Cairo, November,  
 39-44  
 The present situation of fish production  
 in Egypt

Statistical figures show that the  
 consumption of fish per person, per  
 year during 1955-1956 is 6.08 kg. Fish  
 production during 1953-1954 did not  
 exceed 121,000 tons.

:ime

Okada, Y. & 59-7836  
 K. Suzuki (1958)  
Rep.Fac.Fish.Univ.Mie-Tsu, 3(1):17-25  
 Ecological studies of the Ma-anago,  
Astroconger myriaster (Brevoort).  
 11. Notes on the circuli of the otolith  
 of the Ma-anago in Ise Bay

Study of relation of otolith length to  
 total length of sp. from Japanese coast  
 April-November, 1954. Season & size at  
 clear zone formation.

FiB:sjh

M

Anonymous (1959) 59-7837

Discovery, 20:409

New underwater organisation

Note on formation of "Confédération  
Mondiale des Activités Sub-Aquatiques".

FAO:sjh

M

Anonymous (1959)

59-7840

Discovery, 20:453

IFORS

Note on formation of International  
Federation of Operational Research  
Societies; its objects, constituent  
societies, programme of activities.

FAO:sjh

G

Edney, E.B. (1959)

59-7838

Discovery, 20:428-33

Research at Lake Kariba

Incl. account of biological research  
on this barrage lake on the Zambesi in  
Rhodesia.

FAO:sjh

F

Anonymous (1959)

59-7841

Discovery, 20:453

Unknown forces along earth's axis

Kozyrev considers that in the polar  
areas these forces must change so  
considerably that their magnitude  
can be used to determine the latitude  
of a given place with a high degree  
of accuracy. This might be useful  
for determining the position of  
drifting scientific stations in the  
Central Arctic basin.

FAO:a

M

Gernsheim, H. &

59-7839

A. Gernsheim (1959)

Discovery, 20:436-42

Some early applications of photography  
to science

Incl. ill. historical & current notes  
on underwater photography.

FAO:sjh

M

Kato, T. (1958)

59-7842

Tokyo, Weath. Serv. Bull., 25:45-7

(On the tri-monthly information on  
West Japan sea conditions). Ni

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Gough, M.W. (1958) 59-7843  
Electron. Engng, 30:237-47  
Microwave line-of-sight propagation

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Lisitzin, E. (1958) 59-7846  
Geophysics, Helsinki, 5:193-202  
Determination of the slope of the  
water surface in the Gulf of Finland

MF

Lauwerier, H.A. (1957) 59-7844  
Rapp.Math.Cent., Amsterdam, 41:31 p.  
The influence of a homogeneous wind  
upon an infinitely wide North Sea

M

Lisitzin, E. (1958) 59-7847  
Geophysics, Helsinki, 5:162-76  
Der Wasserstand in der Ostsee als  
Indikator der Strenge des Winters  
(The water level of the Baltic as  
indicator of the severity of winter)

MF

Rzheplinskiy, G.V. (1958) 59-7845  
Met.Gidrolog., (1):45-6  
(Some peculiarities of the results of  
wavemeter observations on the high seas).  
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Ozmidov, R.V. (1958) 59-7848  
Bull.Acad.Sci.U.R.S.S., (geophys.), 272-  
3  
(On the role of turbulent vortices of  
various dimensions in the process of  
diffusion (on a water surface) ). Ru

M

International Botanical 59-7849  
Congress. Montréal, August 19-29,  
1959, 9 (1959)  
Montréal, 444 p.  
Proceedings. Volume 2, Abstracts. En  
Fr Es De Esperanto

Contains abstr. of papers - 59-7850 to  
59-7932 - in alphabetical order of  
authors' names.

:sjh

MF

Arnon, D.I. (1959) 59-7852  
Proc.Int.bot.Congr., 9(2):9  
Conversion of light into chemical  
energy in photosynthesis  
Preprinted abstr. of presented paper.

:sjh

G

Allen, M.B. (1959) 59-7850  
Proc.Int.bot.Congr., 9(2):4  
In vivo transformations of chlorophyll  
a in Ochromonas danica and Chlorella  
pyrenoidosa

Preprinted abstr. of presented paper.

:sjh

F

Baker, J.E. & 59-7853  
J.F. Thompson (1959)  
Proc.Int.bot.Congr., 9(2):14-5  
Metabolism of various nitrogenous  
compounds by cells of nitrogen-  
deficient Chlorella vulgaris

Preprinted abstr. of presented paper.

:sjh

F

Arnon, D.I. (1959) 59-7851  
Proc.Int.bot.Congr., 9(2):9  
The chloroplast as a functional unit in  
photosynthesis

Preprinted abstr. of presented paper.

:sjh

G

Becking, R.W. (1959) 59-7854  
Proc.Int.bot.Congr., 9(2):25-6  
Quantitative evaluation of plant  
communities and the IBM codification  
of phytosociological data

Preprinted abstr. of presented paper.

:sjh

G

Bidwell, R.G.S. (1959) 59-7855  
Proc.Int.bot.Congr., 9(2):32  
Precursors of polysaccharides in *Fucus*  
*vesiculosus*

Preprinted abstr. of presented paper.

:sjh

M

Bourrelly, P.P.C. (1959) 59-7858  
Proc.Int.bot.Congr., 9(2):42-3  
Les grands problèmes écologiques en  
algologie d'eau douce (The  
important ecological problems in  
freshwater algology)

Preprinted abstr. of presented paper.

:sjh

F

Blackler, H. & 59-7856  
G. Russell (1959)  
Proc.Int.bot.Congr., 9(2):36  
The autecology of *Pylaiella littoralis*  
(L.) Kjellm

Preprinted abstr. of presented paper.  
The variation in form & life cycle  
reviewed & discussed in light of  
cultural & field studies of the  
populations growing in the vicinity  
of St. Andrews, Scotland.

:sjh

M

Braarud, T. & 59-7859  
K. Ringdal Gaarder (1959)  
Proc.Int.bot.Congr., 9(2):44  
Morphology and taxonomy of  
coccolithophorids

Preprinted abstr. of presented paper.  
Microstructure as seen in electron  
microscope is described for a number of  
marine coccolithophorids.

:sjh

M

Bold, H.C. (1959) 59-7857  
Proc.Int.bot.Congr., 9(2):38  
Some taxonomic problems in unicellular  
chlorophycean algae

Preprinted abstr. of presented paper.  
Genera discussed include: Chlorococcum,  
Neochloris, Spongiochloris, Spongio-  
coccum, Bracteacoccus, Dictyococcus,  
Dictyochloris, Nautococcus, Trebouxia,  
Chlorosarcina, Chlorosarcinopsis,  
Chlorosphaeropsis, Chlamydomonas,  
Palmella, & Gloeocystis.

:sjh

MF

Brown, T.E. (1959) 59-7860  
Proc.Int.bot.Congr., 9(2):49  
Anaerobic uptake of  $C^{14}O_2$  by manganese-  
deficient and normal *Chlorella pyrenoi-*  
*dosa*

Preprinted abstr. of presented paper.

:sjh

F



Cain, S.A. (1959) 59-7861  
Proc.Int.bot.Congr., 9(2):56-7  
Strength and weakness of the ecological  
approach to conservation

Preprinted abstr. of presented paper.

:sjh

G

Chesnin, L. (1959) 59-7864  
Proc.Int.bot.Congr., 9(2):68  
Some effects of ultraviolet light on  
plants

Preprinted abstr. of presented paper.

:sjh

G

Cassio, V. (1959) 59-7862  
Proc.Int.bot.Congr., 9(2):61  
Ecology of marine algae

Preprinted abstr. of presented paper.  
Title only.

:sjh

M

Ciferri, R. (1959) 59-7865  
Proc.Int.bot.Congr., 9(2):74  
A taxonomical prospect of fungi

Preprinted abstr. of presented paper.  
Graphical prospect of taxonomy is  
presented. Recent views on  
classification are considered &  
harmonized. Phylogenetic relationship  
& certain characteristics are  
emphasized.

:sjh

G

Chapman, V.J. (1959) 59-7863  
Proc.Int.bot.Congr., 9(2):66  
The factors controlling the upper and  
lower limits of major belt-demarcating  
algae

Preprinted abstr. of presented paper.

:sjh

M

Curl, H.C., Jr. (1959) 59-7866  
Proc.Int.bot.Congr., 9(2):83-4  
The physiological ecology of a marine  
diatom, Skeletonema costatum (Grev.)  
Cleve

Preprinted abstr. of presented paper.  
Skeletonema costatum (Grev.) was  
cultured. Effects of light, temperature,  
salinity, absolute concentrations of  
phosphorus & nitrogen & the ratio of  
these elements on the growth &  
photosynthesis of the diatom were  
measured. Results are used to explain  
the temporal & spatial distribution  
in continental shelf waters off New York.

:sjh

M

Desikachary, T.V. (1959) 59-7867  
Proc.Int.bot.Congr., 9(2):90  
Electron microscopy and algal  
structures

Preprinted abstr. of presented paper.

:sjh

MF

Droop, M.R. (1959) 59-7870  
Proc.Int.bot.Congr., 9(2):97  
Nutrition of a phagotrophic marine  
dinoflagellate

Preprinted abstr. of presented paper.

:sjh

M

Desikachary, T.V. (1959) 59-7868  
Proc.Int.bot.Congr., 9(2):90  
Sexual reproduction in Tetrasporidium  
javanicum Möbius

Preprinted abstr. of presented paper.  
Description of this alga.

:sjh

F

Emerson, R. & 59-7871  
H.C. Whisler (1959)  
Proc.Int.bot.Congr., 9(2):103-4  
The nature and relationships of  
Oedogoniomyces

Preprinted abstr. of presented paper.  
Oedogoniomyces lymnaeae Kobayashi &  
Ookubo is a saprophytic, aquatic  
phycomycete first described in 1954  
from Japan. Further collections of this  
fungus were made by the authors in  
1956-7 in Costa Rica.

:sjh

F

Droop, M.R. (1959) 59-7869  
Proc.Int.bot.Congr., 9(2):96-7  
Chemical and ecological considerations  
in the design of synthetic culture  
media for marine algae

Preprinted abstr. of presented paper.

:sjh

M

Eriksson, E. (1959) 59-7872  
Proc.Int.bot.Congr., 9(2):106  
The carbon dioxide reservoir

Preprinted abstr. of presented paper.  
An external factor, such as rate of  
overturning of sea water, can cause  
fluctuations in other reservoirs  
because of the steady downward flux of  
organic matter. At present work is  
being devoted to studies on equilibrium  
conditions between oceanic &  
atmospheric carbon dioxide & on the  
rate at which equilibrium is approached.

:sjh

M

Eyster, C. (1959) 59-7873  
Proc.Int.bot.Congr., 9(2):109  
Mineral requirements of Nostoc  
muscorum for nitrogen fixation

Preprinted abstr. of presented paper.

59-7875  
(Card 2)

evaporation, radiation, & time upon  
growth.

:sjh

F

:sjh

G

Fosberg, F.R. (1959) 59-7874  
Proc.Int.bot.Congr., 9(2):118  
Structural-functional classification  
of vegetation for small-scale mapping

Preprinted abstr. of presented paper.

Gibbs, R.D. (1959) 59-7877  
Proc.Int.bot.Congr., 9(2):133  
Comparative chemistry of plants as  
applied to problems of systematics:  
an introduction to the symposium

Preprinted abstr. of presented paper.

:sjh

G

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G

Whittle, H.C. (1959) 59-7875  
Proc.Int.bot.Congr., 9(2):124  
Studies of tree growth using the  
dendrographic and multiple regression  
techniques

Preprinted abstr. of presented paper.  
Studies are presented in which daily  
growth is measured by dendrograph &  
seasonal growth by annual growth rings.  
Data are related to appropriate  
environmental data & analyzed by  
multiple regression techniques. These  
techniques make possible a highly  
refined analysis which sorts out the  
relative effects of temperature,

Gorham, E.R. et al. (1959) 59-7878  
Proc.Int.bot.Congr., 9(2):137  
Toxic waterblooms of blue-green algae

Preprinted abstr. of presented paper.  
Unialgal cultures of several strains  
of those suspected of causing animal  
death, have been grown & found to vary  
greatly in toxicity.

:sjh

F



Gorski, F. (1959) 59-7879  
Proc.Int.bot.Congr., 9(2):138  
Une simple méthode pour mesurer  
l'exigence quantique de la photosynthèse  
(A simple method of measuring the  
quantic requirements of photosynthesis)

Preprinted abstr. of presented paper.

:sjh

FG

Haxo, F.T. (1959) 59-7882  
Proc.Int.bot.Congr., 9(2):154-5  
The functioning of pigments other than  
chlorophyll in the photosynthesis of  
several flagellates

Preprinted abstr. of presented paper.  
Determinations of photosynthetic &  
corresponding absorption spectra.  
Cryptomonads examined for Rhodomonas  
lens, Cryptomonas ovata & Gonyaulax  
polyedra.

:sjh

F

Gupta, K.M. (1959) 59-7880  
Proc.Int.bot.Congr., 9(2):145-6  
Morphology and systematics of the water  
fern Marsilea and the problem of  
speciation in the genus

Preprinted abstr. of presented paper.

:sjh

F

Helmcke, J.-G. (1959) 59-7883  
Proc.Int.bot.Congr., 9(2):159-60  
Schalenmerkmale der Diatomeen (The  
nature of cell walls of diatoms)

Preprinted abstr. of presented paper.

:sjh

MF

Halldal, P. (1959) 59-7881  
Proc.Int.bot.Congr., 9(2):149  
Factors affecting the light response  
in phototactic algae

Preprinted abstr. of presented paper.  
Based upon experiments mainly with the  
brine flagellate Platymonas sub-  
cordiformis (Wille) Hazen (Volvocales)  
Gibor's strain.

:sjh

MF

Heywood, V.H. & 59-7884  
D.H. Valentine (1959)  
Proc.Int.bot.Congr., 9(2):163-4  
The Flora Europaea project: a report  
of progress

Preprinted abstr. of presented paper.

:sjh

G

Hillis, L.W. (1959) 59-7885  
Proc.Int.bot.Congr., 9(2) 164-5  
Structure and taxonomy of Halimeda  
(order Siphonales)

Preprinted abstr. of presented paper.

:sjh

M

Irvine, D.E.G. & 59-7888  
P.C. Silva (1959)  
Proc.Int.bot.Congr., 9(2):176-7  
Preparation of an Index Nominum  
Algarum and Bibliographia Phycologica  
Universalis

Preprinted abstr. of presented paper.  
General background of this project has  
been outlined in Taxon 7(8):251 (1958).  
This paper is an attempt to outline  
scope of works as envisaged, type of  
information being collected, & system  
of compilation.

:sjh

MF

Hollenberg, G.J. (1959) 59-7886  
Proc.Int.bot.Congr., 9(2):168  
Smithora: a new and interesting genus  
in the Erythropeltidaceae

Preprinted abstr. of presented paper.  
The plant heretofore known as Porphyra  
naiadum Anderson is described as the type  
of a new genus.

:sjh

M

Jones, J.D. & 59-7889  
G. Krotkov (1959)  
Proc.Int.bot.Congr., 9(2):182  
Incorporation of  $C^{14}O_2$  into protein  
amino acids by Chlorella cells in  
either white or blue light

Preprinted abstr. of presented paper.

:sjh

F

Ho, P.H. (1959) 59-7887  
Proc.Int.bot.Congr., 9(2):167  
La variation saisonnière de la végétation  
algologique de la côte rocheuse du  
Vietnam (The seasonal variation in  
the algological vegetation along the  
rocky coast of Vietnam)

Preprinted abstr. of presented paper.

:sjh

M

Lawson, G.W. (1959) 59-7890  
Proc.Int.bot.Congr., 9(2):217  
Application of analysis of variance to  
problems of intertidal ecology

Preprinted abstr. of presented paper.  
To ill. the method, variation in the  
dry weight & number of plants per 20 cm<sup>2</sup>  
quadrat in relation to wave exposure,  
shading, & angle of rock surface is  
worked out for Sargassum as it occurs  
on the coast of Ghana.

:sjh

M

Lee, M.J., E.S.Choe 59-7891  
& S.S. Park (1959)  
Proc.Int.bot.Congr., 9(2):220-1  
A study of some physiological  
characteristics of Euglena

Preprinted abstr. of presented paper.

:sjh

F

Lowin, R.A. (1959) 59-7894  
Proc.Int.bot.Congr., 9(2):225  
Eksperimentaj studoj pri la flageloj  
de algoj (Experimental study of  
algal flagellates)

Preprinted abstr. of presented paper.  
Chlamydomonas, Platymonas, Euglena.

:sjh

F

Levring, T. (1959) 59-7892  
Proc.Int.bot.Congr., 9(2):224  
Submarine illumination and vortical  
distribution of algal vegetation

Preprinted abstr. of presented paper.

:sjh

M

Maheshwari, S.C. (1959) 59-7895  
Proc.Int.bot.Congr., 9(2):246-7  
Systematic position of the family  
Lemnaceae

Preprinted abstr. of presented paper.

:sjh

F

MacFarlane, C.I. (1959) 59-7893  
Proc.Int.bot.Congr., 9(2):241-2  
Ecological problems encountered in  
surveys of marine algae in Nova Scotia

Preprinted abstr. of presented paper.

:sjh

M

Maldonado-Koerdell, M. (1959) 59-7896  
Proc.Int.bot.Congr., 9(2):249  
Bark fragment from the continental slope  
off the Guatemala coast

Preprinted abstr. of presented paper.  
In course of dredging operations  
opposite mouth of Río Suchiate off  
Guatemala, at 400 fathoms, a fragment  
of an arboreal plant was collected in  
November 1958.

:sjh

M



Marfey, C. & 59-7897  
R. Sager (1959)  
Proc.Int.bot.Congr., 9(2):252  
Transmission of parental proteins and  
nucleic acids to progeny in  
Chlamydomonas

Preprinted abstr. of presented paper.

:sjh

F

Mullahy, J.H. (1959) 59-7900  
Proc.Int.bot.Congr., 9(2):275  
The algal flora of the Chandeleur  
Islands of Louisiana  
Preprinted abstr. of presented paper.  
The islands present an interesting  
ecological variation in the northern  
Gulf, & this is most manifest in the  
Phaeophycophyta & Rhodophycophyta.

:sjh

M

Mason, H.L. (1959) 59-7898  
Proc.Int.bot.Congr., 9(2):254  
Formal instruments of the taxonomic  
system

Preprinted abstr. of presented paper.

:sjh

G

Neushyl, M., Jr. (1959) 59-7901  
Proc.Int.bot.Congr., 9(2):280  
Studies on antarctic marine algae

Preprinted abstr. of presented paper.  
During the 1957-8 Argentine Antarctic  
Expedition collections of marine algae  
were made. Using a neoprene diving suit  
& SCUBA, author observed & collected  
representative plants 60 ft. below  
surface. Occurrence of unusual  
reproductive organs & developmental  
vegetative characters indicates plants  
do not fit into currently accepted brown  
algal taxonomic groups.

:sjh

M

Moyse, A., M.L. Champigny 59-7899  
& G. Giraud (1959)  
Proc.Int.bot.Congr., 9(2):274  
Sur la répartition du C fixé par  
photosynthèse chez Rhodospirillum rubrum  
Geitler (Rhodophycée) en présence  
d'intensités lumineuses et de radiations  
diverses (On the distribution of  
C fixed on Rhodospirillum rubrum Geitler  
exposed to light intensity and  
different radiation)

Preprinted abstr. of presented paper.

:sjh

M

Pageau, G. (1959) 59-7902  
Proc.Int.bot.Congr., 9(2):292  
Système de classification des divers  
types de feuilles chez les plantes  
aquatiques supérieures (Classifica-  
tion of different types of leaves in  
higher aquatic plants)

Preprinted abstr. of presented paper.

:sjh

F

Parke, M. (1959) 59-7903  
Proc. Int. bot. Congr., 9(2):294  
Electron microscope observations on  
scale-bearing Chrysophyceae

Preprinted abstr. of presented paper.

Pirson, D.A. (1959) 59-7906  
Proc. int. bot. Congr., 9(2):301  
Observations in synchronous cultures  
of Chlorocella

Preprinted abstr. of presented paper.

:sjh

MF

:sjh

F

Patrick, R. (1959) 59-7904  
Proc. Int. bot. Congr., 9(2):296-7  
An evaluation of the contribution to the  
systematics of diatoms of electron  
microscope studies

Preprinted abstr. of presented paper.

Pocock, M.A. (1959) 59-7907  
Proc. int. bot. Congr., 9(2):302  
Two little-known species of Volvox,  
V. powersi and V. obversus

Preprinted abstr. of presented paper.  
Volvox powersi is known only from  
Nebraska. V. obversus, described from  
the Philippines, is abundant in eastern  
Australia.

:sjh

MF

:sjh

F

Pitner, I.J. & 59-7905  
L. Provasoli (1959)  
Proc. Int. bot. Congr., 9(2):300-1  
The nutrition of Volvox globator and  
V. tertius

Preprinted abstr. of presented paper.

Prescott, G.W. (1959) 59-7908  
Proc. int. bot. Congr., 9(2):309  
Fresh-water algal ecology with special  
reference to the Arctic

Preprinted abstr. of presented paper.

:sjh

F

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F

Preston, R.D. (1959) 59-7909  
Proc.Int.bot.Congr., 9(2):310  
Wall structure in marine algae

Preprinted abstr. of presented paper.  
Structure & composition of the walls of  
many spp. of green, brown, & red algae  
are reviewed.

:sjh

M

Sager, R. (1959) 59-7912  
Proc.Int.bot.Congr., 9(2):339  
Effect of soil moisture on host-  
parasite relations of Pythium  
damping-off of pea

Preprinted abstr. of presented paper.

:sjh

F

Provasoli, L. (1959) 59-7910  
Proc.Int.bot.Congr., 9(2):312  
Growth factor requirements of algae:  
ecological and cultural implications

Preprinted abstr. of presented paper.  
Chlorophyceae & Bacillariophyceae are  
the 2 groups in which only a few spp.  
are auxotrophic. All the spp. investigated  
of Cryptophyceae, Dinophyceae, &  
Eugleninae require one or more vitamins.

:sjh

MF

Scagel, R.F. (1959) 59-7913  
Proc.Int.bot.Congr., 9(2):344  
A synthetic approach to some problems  
in marine algal ecology

Preprinted abstr. of presented paper.  
It is suggested that a critical review  
is needed to ascertain the present  
status of knowledge, to clearly  
establish the objectives being sought,  
& to evaluate the methods being used  
in marine algal ecology. A synthetic  
analysis is proposed to reassess some  
of the fundamental problems. Algal  
distribution in northeast Pacific is  
described in relation to the  
oceanographic characteristics

Sachet, M.H. (1959) 59-7911  
Proc.Int.bot.Congr., 9(2):337-8  
Vegetation of Clipperton Island

Preprinted abstr. of presented paper.  
Island (10°17'N, 109°13'W) is one of  
the few islands, & the only coral island,  
in the eastern third of the Pacific  
Ocean. In the nearly fresh lagoon are  
beds of Ruppia, Naias, & Potamogeton.

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F

59-7913  
(Card 2)

prevailing along the Pacific coast of  
North America. Possible factors  
responsible for the observed  
distributions are evaluated & a  
consideration of the results of some  
field & laboratory studies is presented.  
Physical & chemical requirements,  
including circulation patterns, tides,  
temperature, salinity, oxygen,  
phosphate, & light, are discussed.

:sjh

M



Schlichting, H.E., Jr. (1959) 59-7915  
Proc.Int.bot.Congr., 9(2):346-7  
A new technique to study the role of  
waterfowl in the dispersal of algae

Preprinted abstr. of presented paper.  
Field collections were made, & a series  
of controlled experiments were  
conducted to determine the possible role

:sjh

F

Singh, T.C.N. (1959) 59-7916  
Proc.Int.bot.Congr., 9(2):363-4  
On the activation of photosynthesis in  
Hydrilla verticillata Presl. by sound  
waves of an electric bell

Preprinted abstr. of presented paper.  
A submerged water-plant was excited by  
continuous ringing of an electric bell  
for half an hour daily & its  
photosynthetic value was determined  
in terms of volume of oxygen evolved  
during a particular fixed period of  
time. A control experiment was  
maintained. Both the rate & the total  
volume of oxygen evolved from excited  
plants were higher than the control  
plants.

:sjh

F

Sorokin, C. (1959) 59-7917  
Proc.Int.bot.Congr., 9(2):372  
Temperature studies on the cellular  
level

Preprinted abstr. of presented paper.  
Temperature dependence of respiration  
& photosynthesis & temperature &  
illuminance dependence of the growth  
were studied in Chlorella pyrenoidosa.

:sjh

F

Nielsen, E. Steemann (1959) 59-7918  
Proc.Int.bot.Congr., 9(2):379-80  
Light adaptation in marine  
phytoplankton

Preprinted abstr. of presented paper.  
A series of light intensity photo-  
synthesis curves is presented incl.  
curves of plankton from both the  
surface & the lower part of the  
photosynthetic layer, curves of arctic,  
temperate & tropical plankton, &  
curves of both summer & winter  
plankton.

:sjh

M

Stillner, M. (1959) 59-7919  
Proc.Int.bot.Congr., 9(2):383-4  
Effects of fluoride on the metabolism  
of acid-grown Chlorella

Preprinted abstr. of presented paper.

:sjh

F

Talageanu, N. (1959) 59-7920  
Proc.Int.bot.Congr., 9(2):393  
Sur l'état du protoplasme et l'intensité  
de la photosynthèse (On the condition  
of protoplasm and the intensity of  
photosynthesis)  
Preprinted abstr. of presented paper.  
Helodea canadensis & Myriophyllum  
verticillatum were studied.

:sjh

F

Taylor, A.R.A. (1959) 59-7921  
Proc.Int.bot.Congr., 9(2):394  
Growth of Chondrus crispus (L.) Stackh.  
in a submersed population

Preprinted abstr. of presented paper.  
On the north shore of Prince Edward  
Island, Canada, Chondrus grows totally  
submersed. Growth of individual  
submersed specimens, as rate of increase  
in area, was measured there for 4 years.

:sjh

M

Turian, G.F. (1959) 59-7924  
Proc.Int.bot.Congr., 9(2):405  
Action antipigmentaire de la  
diphénylamine (DPA) chez les cham-  
pignons et les algues

Preprinted abstr. of presented paper.  
Study of Chlorocella rubescens.

:sjh

F

Taylor, Wm.R. (1959) 59-7922  
Proc.Int.bot.Congr., 9(2):394  
Distribution in depth of the marine  
algae in the Caribbean and adjacent seas

Preprinted abstr. of presented paper.

:sjh

M

Turian, G.F. (1959) 59-7925  
Proc.Int.bot.Congr., 9(2):405-6  
Differentiation in Blastocladales

Preprinted abstr. of presented paper.  
Differentiation in these aquatic  
phycomycetes reviewed.

:sjh

F

Trurnit, H.J. (1959) 59-7923  
Proc.Int.bot.Congr., 9(2):403  
Spectroscopy of chlorophyll films

Preprinted abstr. of presented paper.  
The absorption spectra of chlorophyll  
monolayers, under known thermodynamic  
conditions, have been compared with  
these pigments in organic solvents &  
in living Chlorella suspensions.

:sjh

F

Valentino, D.H. (1959) 59-7926  
Proc.Int.bot.Congr., 9(2):408  
Introduction to the symposium on  
biosystematics

Preprinted abstr. of presented paper.

:sjh

G

Walker, J.M. (1959) 59-7927  
Proc.Int.bot.Congr., 9(2):420  
The vegetation of Delta marsh

Preprinted abstr. of presented paper.  
Lake Winnipeg, Lake Manitoba, & many  
smaller bodies of water are remnants  
of glacial L. Agassiz which covered  
southern Manitoba. Pattern of  
colonisation & changes in vegetation on  
these areas, re-establishment of  
phragmites & effects of water on  
vegetation throughout the marsh & on  
the ridge discussed.

ssjh

F

Yentsch, C.S. (1959) 59-7930  
Proc.Int.bot.Congr., 9(2):439  
Phytoplankton pigments: a physiological  
index

Preprinted abstr. of presented paper.  
Ratios of phytoplankton chlorophyll a:  
plant carotenoid have been observed in  
coastal & offshore waters of New York  
during six cruises covering the period  
September 1956 to July 1957.

ssjh

M

Wolken, J.J. (1959) 59-7928  
Proc.Int.bot.Congr., 9(2):434  
Electron microscopy of algal structures

Preprinted abstr. of presented paper.  
Certain algae as well as photosynthetic  
bacteria that are easily grown in  
laboratory were selected for  
comparative study of their photoreceptors  
(chloroplasts, chromatophores, eyespot).  
These incl. the green flagellates, as  
well as the blue-green & green algae.

ssjh

FG

Zalensky, O.V. & 59-7931  
V.L. Komarov (1959)  
Proc.Int.bot.Congr., 9(2):439-40  
Interrelationships between respiration  
& photosynthesis

Preprinted abstr. of presented paper.

ssjh

G

Wood, R.D. (1959) 59-7929  
Proc.Int.bot.Congr., 9(2):434-5  
The Characeae

Preprinted abstr. of presented paper.  
An ill. & detailed taxonomy of the  
family. Incl. keys, synopsis &  
descriptions of spp.

sefa

F

Zalik, S. & 59-7932  
R.A. Miller (1959)  
Proc.Int.bot.Congr., 9(2):440  
Filters that isolate narrow regions of  
the spectrum for plant growth studies

Preprinted abstr. of presented paper.  
The spectral characteristics of  
different kinds of colored plastic  
sheets were determined.

ssjh

G



International Botanical 59-7933  
Congress, Montréal, August 19-29,  
1959, 9A (1959)  
Montréal, 41 p.  
Proceedings. Volume 2A, Abstracts.  
En Fr Es

Contains supplementary abstr. of  
papers - 59-7934 to 59-7960 in  
alphabetical order of authors' names.

:sjh

MF

Auerbach, S.I. (1959) 59-7934  
Proc.Int.bot.Congr., 9(2A):1  
The ecology of White Oak Lake bed -  
A radioactive waste area, Part 1

Preprinted abstr. of presented paper.  
For 12 years lake received continuous  
input of low-level radioactive. Four  
years ago basin was drained, leaving  
14 hectares of contaminated sediment.  
Invasion of lake bed by plants &  
animals provided opportunity for  
studies on fate of fission products  
in terrestrial ecosystems & on their  
possible biological effects.

:sjh

FG

Brunel, J. (1959) 59-7935  
Proc.Int.bot.Congr., 9(2A):5  
Contribution à l'étude des Chaetoceros  
du golfe Saint-Laurent (Contribution  
to the study of the Chaetoceros in the  
Gulf of St. Lawrence)

Preprinted abstr. of presented paper.

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M

Burrows, E.M. (1959) 59-7936  
Proc.Int.bot.Congr., 9(2A):5-6  
Experimental ecology with particular  
reference to the ecology of Laminaria  
saccharina (L.) Lamour

Preprinted abstr. of presented paper.  
Has been grown successfully in culture  
& its response to different environmental  
conditions tested.

:sjh

M

Cassie, V. (1959) 59-7937  
Proc.Int.bot.Congr., 9(2A):6  
Phytoplankton in New Zealand coastal  
waters

Preprinted abstr. of presented paper.  
180 phytoplankters incl. 112 diatoms &  
42 dinoflagellates, have been identified.  
Quantitative counts of every plant &  
animal spp. were made from monthly  
surface jar samples at 5 stations in  
Hauraki Gulf, Wellington Harbour and  
S.E. Cook Strait during 1957-58.

:sjh

M

De Selm, H.R. & 59-7938  
R.E. Shanks (1959)  
Proc.Int.bot.Congr., 9(2A):8  
Ecology of White Oak Lake bed - a  
radioactive waste area, Part 2

Preprinted abstr. of presented paper.  
The bed of former lake at the Oak Ridge  
U.S. Atomic Energy Commission Laboratory  
is under study. This is the site of the  
release of fission waste products for a  
period of years previous to 1956.

:sjh

FG

Doty, M.S. (1959) 59-7939  
Proc.Int.bot.Congr., 9(2A):9  
Classical ecological concepts in  
population of intertidal recent lava

Preprinted abstr. of presented paper.  
Following population of lava freshly  
cooled & solidified in the sea provided  
an opportunity to follow events in the  
process of population. Ecological  
concepts of pioneer colonization, ecosis,  
pioneer community, seral development,  
subclimax, climax & disclimax can be  
recognized. Population changes & spp.  
changes associated with each have been  
recorded.

:sjh

M

Egler, F.E. (1959) 59-7940  
Proc.Int.bot.Congr., 9(2A):11-2  
The nature of naturalization

Preprinted abstr. of presented paper.

:sjh

G

Greig-Smith, P. (1959) 59-7941  
Proc.Int.bot.Congr., 9(2A):13  
The use of pattern analysis in ecological  
investigations

Preprinted abstr. of presented paper.  
Pattern defined as departure from  
randomness of distribution of spp.  
Presence of pattern within defined area  
indicates control of the spp. by one or  
few factors or groups of correlated  
factors.

:sjh

G

Krauss, R.W. & 59-7942  
C. Sorokin (1959)  
Proc.Int.bot.Congr., 9(2A):18-9  
Metabolic pathways and growth of algae

Preprinted abstr. of presented paper.  
Examination of different spp. or strains  
of Chlorella at the enzyme level has  
shown that some possess alternative  
pathways for sugar assimilation which  
make possible survival & growth under  
stress. Studies with synchronized  
cultures have shown changes in cellular  
metabolism at different ages.

:sjh

FG

Latimer, P. & 59-7943  
J.A. McClure (1959)  
Proc.Int.bot.Congr., 9(2A):20  
Light scattering by cell suspensions

Preprinted abstr. of presented paper.  
If light coming from a cell suspension  
(algal cells, erythrocytes, or  
chloroplasts) at a specified angle to  
the incident beam is compared with the  
incident light itself, the resulting  
spectral curve has sharp peaks &  
valleys. Many of the observed optical  
phenomena are predicted by light  
scattering theory. Nearly quantitative  
agreement is obtained between some  
experimental & theoretical curves.

:sjh

G

Leonard, J.W. (1959) 59-7944  
Proc.Int.bot.Congr., 9(2A):21-2  
The role of herbicides in wildlife  
management

Preprinted abstr. of presented paper.  
Herbicidal control of aquatic vegetation  
can contribute to fishery management (1)  
by favoring microscopic algae at the  
expense of submerged higher plants; (2)  
by eradication of submerged vegetation  
thereby exposing small fish to more  
efficient predation, with results  
beneficial to the fishery as a whole; &  
(3) by removal of vegetation which  
interferes with boats, propellers &

59-7944  
(Card 2)

fishing tackle. Further research is needed to develop herbicides & methods having better predictability.

:sjh

F

Lewin, J.C. (1959) 59-7946  
Proc.Int.bot.Congr., 9(2A):22  
Silicon as an essential element for diatom cultures

Preprinted abstr. of presented paper.  
Experimental studies with Navicula pelliculosa have shown that no other chemically related element is able to replace this requirement, nor can those elements of similar atomic radius.

:sjh

M

Lieth, H. (1959) 59-7947  
Proc.Int.bot.Congr., 9(2A):22  
A simple method for measuring the light compensation point

Preprinted abstr. of presented paper.  
(Title only.)

:sjh

G

Myers, J. (1959) 59-7948  
Proc.Int.bot.Congr., 9(2A):24  
Evidences for a specific participation of chlorophyll b in photosynthesis

Preprinted abstr. of presented paper.  
Rate of oxygen evolution in photosynthesis was measured as the current from a platinum electrode covered by a layer of Chlorocella cells.

:sjh

FG

Myers, J. (1959) 59-7949  
Proc.Int.bot.Congr., 9(2A):24  
Steady-state cultures of algae

Preprinted abstr. of presented paper.  
Principles upon which steady-state cultures may be devised. Technology of steady-state culture is sufficiently developed to allow more general use for problems in algal physiology.

:sjh

MF

Niering, W.A. (1959) 59-7950  
Proc.Int.bot.Congr., 9(2A):24-5  
The role of herbicides in vegetation management. Introduction

Preprinted abstr. of presented paper.

:sjh

G





Palumbo, R.F. (1959) 59-7951  
Proc.Int.bot.Congr., 9(2A):26-7  
The differences in uptake of  
radioisotopes by marine and terrestrial  
organisms

Preprinted abstr. of presented paper.  
Factors operating to make radioactive  
fallout isotopes available for uptake  
are discussed. In sea major factors are  
(1) size of fallout particles, (2)  
solubility of element, (3) absorption  
of element to organic & inorganic  
materials, (4) isotopic dilution by  
stable form of element, & (5)  
coprecipitation of element with  
chemically similar elements.

:sjh

M

Platt, R.B. (1959) 59-7952  
Proc.Int.bot.Congr., 9(2A):28  
Critical review of microenvironment  
as a field of research

Preprinted abstr. of presented paper.

:sjh

G

Platt, R.B. (1959) 59-7953  
Proc.Int.bot.Congr., 9(2A):29  
Studies in radiation ecology

Preprinted abstr. of presented paper.  
By means of models, charts, diagrams,  
& photographs, special facilities for  
radiation ecology research presented.

:sjh

G

Platt, R.B. (1959) 59-7954  
Proc.Int.bot.Congr., 9(2A):28  
Radiation ecology studies at Emory  
University

Preprinted abstr. of presented paper.  
Description of research facilities  
provided through a cobalt field  
constructed on the campus of Emory  
University, & a radiation field  
provided in North Georgia by a  
partially shielded reactor. Description  
follows of the several projects which  
provide support for the program. Incl.  
special projects on plants & animals.

:sjh

G

Rabinowitch, E. (1959) 59-7955  
Proc.Int.bot.Congr., 9(2A):29-30  
Robert Emerson's investigations of  
the action spectra of photosynthesis  
(in memory of Robert Emerson)

Preprinted abstr. of presented paper.  
Emerson's investigations of algae of  
different classes extended from 1941 to  
1959.

:sjh

MF

Ross, R. (1959) 59-7956  
Proc.Int.bot.Congr., 9(2A):30-1  
The phylogeny of algae and the  
classification of organisms

Preprinted abstr. of presented paper.  
Current views about the phylogenetic  
relationships of algae & other  
organisms. A phylogenetic classification  
based on these views would differ  
greatly from current systems - the  
primary division would not be between  
plants & animals.

:sjh

MF

Starr, R.C. (1959) 59-7957  
Proc.Int.bot.Congr., 9(2A):36  
Morphogenesis in desmids

Preprinted abstr. of presented paper.  
The mechanism of cytoplasmic control  
is discussed. Examples of normal &  
aberrant cell shapes are ill. for  
various genera.

:sjh

MF

Thompson, R.H. (1959) 59-7960  
Proc.Int.bot.Congr., 9(2A):38-9  
Some aspects of phylogeny in the  
Chlorophyta

Preprinted abstr. of presented paper.  
The current schemes of green algae  
phylogeny are reviewed. A different  
phylogenetic scheme is presented.

:sjh

MF

Symoen, J.-J. (1959) 59-7958  
Proc.Int.bot.Congr., 9(2A):37  
Le développement massif de cyanophycées  
planctoniques dans le lac Tanganyika  
(Massive development of planctonic  
cyanophytes in Tanganyika Lake)

Preprinted abstr. of presented paper.  
Anabaena flos-aquae. Abundance also  
of Limnocaridina retiaris.

:sjh

F

U.S.S.R. Academy of 59-7961  
Sciences (1959)  
Trud.Inst.Okeanol., 25:199  
(Problems of methods of oceanological  
research). Ru

M

Thompson, R.H. (1959) 59-7959  
Proc.Int.bot.Congr., 9(2A):38  
Morphological adaptation and  
physiological interdependence in  
freshwater algae

Preprinted abstr. of presented paper.  
As a group their ecology can be  
discussed in broad generalities only.  
Habitats may be grouped in 2 main  
ecological conditions: the relatively  
stable & the drastically fluctuating.  
Within this framework are discussed  
morphological adaptation, physiological  
interdependence, temperature & pH, &  
special ecological niches.

:sjh

F

Anonymous (1959) 59-7962  
Riv.Met.Aero., 13(2):99  
Crociere italiane nel mar Tirreno per  
l'A.G.I. (Italian cruises in the  
Tyrrhenian Sea for the I.G.Y.)

M

Beck, G.E. (1958) 59-7963  
J.Inst.Navig., 11:117-24  
Doppler navigation. 1. Airborne  
doppler equipment

M

Moroshkin, K.V. (1957) 59-7966  
Trud.Inst.Okeanol., 25:62-87  
(Trials of the electro-magnetic  
currentmeter in the open sea). Ru

M

Carrier, G.F. & 59-7864  
H.P. Greenspan (1958)  
J.Fluid Mech., 4:97-109  
Water waves of finite amplitude on a  
sloping beach

M

Durst, C.S. (1958) 59-7967  
J.Inst.Navig., 11:143-5  
Doppler navigation. Part 5. The sea  
surface and doppler

M

Kolesnikov, A.G. et al. (1958) 59-7865  
Bull.Acad.Sci.U.R.S.S., (geophys.),  
405-13  
(Apparatus and methods for the  
registration of turbulent micro-  
pulsations in the temperature and  
current speeds of the sea). Ru

M

Pavlov, V.M. & 59-7968  
V.I. Kuksa (1957)  
Trud.Inst.Okeanol., 25:88-97  
(Experience with the bathythermograph  
TB-52 (T-52) ). Ru

M



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FAO:a

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FAO:sjh

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Contents as per title.

FAO:

MF

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Contents as per title.

FAO:

MF

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Contents as per title.

FAO:

M



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FAO: M

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FAO: M

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FAO: M

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FAO: M

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Contents as per title.

FAO: M

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Contents as per title.

FAO: M

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Equipment note No. 1 - New all-  
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Contents as per title.

FAO: M

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being studied

Contents as per title.

FAO: F

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Great Lakes - Sea lamprey control  
studies

Contents as per title.

FAO: MF

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Comm. Fish. Rev., 21(9):31  
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Cruise 2)

Contents as per title.

FAO: F

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Comm. Fish. Rev., 21(9):32-3  
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Contents as per title.

FAO: F

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4)

Contents as per title.

FAO: F

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Western Lake Superior fishery survey  
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Contents as per title.

FAO:

F

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Comm.Fish.Rev., 21(9):36  
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fishing on the Mississippi River  
enforced

Contents as per title.

FAO:

F

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Comm.Fish.Rev., 21(9):35  
Gulf exploratory fishery program -  
Underwater observation of shrimp trawl  
(M/V CHARLES M. BOWERS Cruise 20)

Contents as per title.

FAO:

M

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Comm.Fish.Rev., 21(9):37  
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shells, 1959 season

Contents as per title.

FAO:

M

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Gulf of Mexico - Industrial fishery  
studies

Contents as per title.

FAO:

M

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Comm.Fish.Rev., 21(9):37-8  
North Atlantic fisheries exploration and  
gear research - Promising catches of  
the deep-water red crab made by M/V  
DELAWARE (Cruise 59-7)

Contents as per title.

FAO:

M



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Comm.Fish.Rev., 21(9):38-9  
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program - Exploratory fishing vessel  
to assess fishery potential and  
collect oceanographic data in Arctic  
Ocean's Chukchi Sea (M/V JOHN N. COBB  
Cruise 43)

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):40  
Oysters - Long Island Sound studies

Contents as per title.

FAO: M

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Oysters - Raft-grown type grow fast

Contents as per title.

FAO: M

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Oysters - Setting under artificial  
conditions

Contents as per title.

FAO: M

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Salmon - Progress report on North  
Pacific research

Contents as per title.

FAO: MF

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Comm.Fish.Rev., 21(9):42  
Shad - Atlantic coast studies

Contents as per title.

FAO: MF

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Comm.Fish.Rev., 21(9):42  
Shrimp - Stains used to mark shrimp for  
migration studies

Contents as per title.

FAO: M

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Whaling - Pacific coast whaling season  
open

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):42-3  
Striped bass - East coast research

Contents as per title.

FAO: M

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Comm.Fish.Rev., 21(9):50  
Killing whales with carbon dioxide  
shells

A new Norwegian invention will be  
tried out off Iceland.

FAO:sjh M

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Comm.Fish.Rev., 21(9):48-9  
Virginia - Biologists experiment with  
mesh size of crab pots

Contents as per title.

FAO: M

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International - International labor  
organization - Commercial fishermen  
labor instruments adopted by  
Conference

Contents as per title.

FAO: MF

Anonymous (1959) 59-8053  
Comm.Fish.Rev., 21(9):54-6  
International - Eleventh Annual Meeting  
of International Whaling Commission

Contents as per title.

FAO: M

Anonymous (1959) 59-8056  
Comm.Fish.Rev., 21(9):60-1  
Cuba - Closed seasons for shrimp,  
oysters, and tortoises

Contents as per title.

FAO: M

Anonymous (1959) 59-8054  
Comm.Fish.Rev., 21(9):59-60  
Chile - Legislation drafted to promote  
fishing industry

Contents as per title.

FAO: M

Anonymous (1959) 59-8057  
Comm.Fish.Rev., 21(9):62  
Ethiopia - Development of commercial  
fishing industry planned

Contents as per title.

FAO: M

Anonymous (1959) 59-8055  
Comm.Fish.Rev., 21(9):60  
Cuba - Closed season on spiny lobster  
ends

Contents as per title.

FAO: M

Anonymous (1959) 59-8058  
Comm.Fish.Rev., 21(9):62-3  
French Guiana - Development of shrimp  
fishery planned

Contents as per title.

FAO: M



Anonymous (1959) 59-8059  
Comm.Fish.Rev., 21(9):63  
Greenland - Facilities for fishing  
industry to be expanded

Contents as per title.

FAO: M

Anonymous (1959) 59-8062  
Comm.Fish.Rev., 21(9):69  
Japan - World-wide tuna fishing cruise  
planned

Contents as per title.

FAO: M

Anonymous (1959) 59-8060  
Comm.Fish.Rev., 21(9):65  
India - Experiment with Thailand carp in  
West Bengal waters

Contents as per title.

FAO: F

Anonymous (1959) 59-8063  
Comm.Fish.Rev., 21(9):71-2  
Japan - New tuna long-liner completed  
No. 18 SEISHO MARU.

FAO:sjh M

Anonymous (1959) 59-8061  
Comm.Fish.Rev., 21(9):68-9  
Japan - Fishermen seek albacore on  
distant grounds

Contents as per title.

FAO: M

Anonymous (1959) 59-8064  
Comm.Fish.Rev., 21(9):73  
Japan - Loans for construction of  
fishing vessels in 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-8065  
Comm.Fish.Rev., 21(2):73  
Japan - Second tuna vessel for the  
Soviet Union completed  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-8068  
Comm.Fish.Rev., 21(9):75  
Japan - North Pacific salmon fishing  
firms apply for permits to fish for  
tuna in Fiji Islands area  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-8066  
Comm.Fish.Rev., 21(9):73-4  
Japan - Tuna fishermen's federation  
opposed redeployment of salmon  
fishermen  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-8069  
Comm.Fish.Rev., 21(9):75  
Japan - Price of tuna fishing rights  
rising steeply  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-8067  
Comm.Fish.Rev., 21(9):74  
Japan - Disposal of four salmon fleet  
considered  
  
Contents as per title.

FAO: MF

Anonymous (1959) 59-8070  
Comm.Fish.Rev., 21(9):75  
Japan - Japanese-Moroccan company to  
trawl for shrimp and bottom fish in  
South Atlantic  
  
Contents as per title.

FAO: M

Anonymous (1959) 59-8071  
Comm.Fish.Rev., 21(9):75-6  
Japan - More Japanese fishing trawlers  
to operate off Northwest African coast

Contents as per title.

FAO: M

Anonymous (1959) 59-8074  
Comm.Fish.Rev., 21(9):77-8  
Japan - Survey of earnings by Japanese  
fishermen

Contents as per title.

FAO: MF

Anonymous (1959) 59-8072  
Comm.Fish.Rev., 21(9):76  
Japan - New tuna vessel to fish in  
Indian Ocean

Contents as per title.

FAO: M

Anonymous (1959) 59-8075  
Comm.Fish.Rev., 21(9):78-9  
Japan - North Pacific whaling trends

Contents as per title.

FAO: M

Anonymous (1959) 59-8073  
Comm.Fish.Rev., 21(9):76-7  
Japan - Bering Sea trawler activity  
increasing

Contents as per title.

FAO: M

Anonymous (1959) 59-8076  
Comm.Fish.Rev., 21(9):79  
Japan - Agar-agar industry trends

Contents as per title.

FAO: M



Anonymous (1959) 59-8077  
Comm.Fish.Rev., 21(9):81-2  
Norway - Fisheries project in India to  
be continued

Contents as per title.

FAO: M

Anonymous (1959) 59-8080  
Comm.Fish.Rev., 21(9):87-8  
Tunisia - Eight trawlers purchased in  
Italy

Contents as per title.

FAO: M

Anonymous (1959) 59-8078  
Comm.Fish.Rev., 21(9):81  
Netherlands - Frogmen study trawl-net  
fishing

Contents as per title.

FAO: M

Anonymous (1959) 59-8081  
Comm.Fish.Rev., 21(9):88  
Uganda - Nylon nets and mechanization  
double fish catch

Contents as per title.

FAO: F

Anonymous (1959) 59-8079  
Comm.Fish.Rev., 1(9):84-5  
South-West Africa - Fishery landings  
and production, 1958

Contents as per title.

FAO: M

Anonymous (1959) 59-8082  
Comm.Fish.Rev., 21(9):89  
U.S.S.R. - Whaling super-factoryship  
completed

Contents as per title.

FAO: M

Anonymous (1959) 59-8083  
Comm.Fish.Rev., 21(9):89-90  
United Kingdom - Plan for development  
of pilchard industry initiated

Contents as per title.

FAO:

M

Anonymous (1959) 59-8086  
Comm.Fish.Rev., 21(9):95  
Department of Commerce - Coast and  
geodetic survey

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8084  
Comm.Fish.Rev., 21(9):90-1  
Venezuela - Estimated fishery landings  
and utilization, 1958

Contents as per title.

FAO:

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Anonymous (1959) 59-8087  
Comm.Fish.Rev., 21(9):96-7  
Eighty-sixth Congress (First Session) -  
Columbia River fisheries investigation

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8085  
Comm.Fish.Rev., 21(9):91-2  
Venezuela - Otter trawl gear  
regulations revised

Contents as per title.

FAO:

M

Anonymous (1959) 59-8088  
Comm.Fish.Rev., 21(9):97  
Eighty-sixth Congress (First Session) -  
Dumping restrictions in coastal  
waters

Contents as per title.

FAO:

M

Anonymous (1959) 59-8089  
Comm.Fish.Rev., 21(9):97  
Eighty-sixth Congress (First Session) -  
Fish hatcheries

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8092  
Comm.Fish.Rev., 21(9):98  
Eighty-sixth Congress (First Session) -  
Game fish in dam reservoirs research

Contents as per title.

FAO:

F

Anonymous (1959) 59-8090  
Comm.Fish.Rev., 21(9):97  
Eighty-sixth Congress (First Session) -  
Fish and wildlife aid through equipment  
transfers

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8093  
Comm.Fish.Rev., 21(9):98  
Eighty-sixth Congress (First Session) -  
Interstate transportation of fish

Contents as per title.

FAO:

F

Anonymous (1959) 59-8091  
Comm.Fish.Rev., 21(9):97  
Eighty-sixth Congress (First Session) --  
Fish and wildlife cooperative research  
training units

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8094  
Comm.Fish.Rev., 21(9):99  
Eighty-sixth Congress (First Session) -  
Insecticides effect upon fish and  
wildlife

Contents as per title.

FAO:

F



Anonymous (1959) 59-8095  
Comm.Fish.Rev., 21(9):99  
Eighty-sixth Congress (First Session) -  
Marine game fish research

Contents as per title.

FAO:

M

Anonymous (1959) 59-8098  
Comm.Fish.Rev., 21(9):99  
Eighty-sixth Congress (First Session) -  
Power projects fisheries resources  
protection

Contents as per title.

FAO:

F

Anonymous (1959) 59-8096  
Comm.Fish.Rev., 21(9):99  
Eighty-sixth Congress (First Session) -  
North Pacific fishery resources  
protection

Contents as per title.

FAO:

MF

Anonymous (1959) 59-8099  
Comm.Fish.Rev., 21(9):100  
Eighty-sixth Congress (First Session) -  
Radioactive material disposal restric-  
tions

Contents as per title.

FAO

M

Anonymous (1959) 59-8097  
Comm.Fish.Rev., 21(9):99  
Eighty-sixth Congress (First Session) -  
Oceanography

Contents as per title.

FAO:

M

Anonymous (1959) 59-8100  
Comm.Fish.Rev., 21(9):100  
Eighty-sixth Congress (First Session) -  
Salt-water research laboratory

Contents as per title.

FAO:

M

Power, E.A. (1959) 59-8101  
Statist.Dig.U.S.Fish Wildl.Serv., (14)  
431 p.  
Fishery statistics of the United States  
1957  
CFR 21(9):111.

MF

Sogandares-Bernal, F. & 59-8104  
R.F. Hutton (1959)  
J.Parasit., 45(1):114-8  
Flavesicola tarponis, a new trematode  
in the tarpon, Megalops atlanticus  
(Cuv. & Val.), from the west coast of  
Florida  
CFR 21(9):116-7.

M

Alaska. Department of 59-8102  
Fish & Game (1958)  
Rep.Alaska Dep.Fish., (9):123 p.  
1957 Annual Report  
CFR 21(9):111-2.

MF

Segman, R. (1959) 59-8105  
Sci.News Lett., 75(26):407, 410  
Banded Poisonous fish  
CFR 21(9):117.

MF

Florida. Game & Fresh 59-8103  
Water Fish Commission (1959)  
Tallahassee, 20 p.  
Florida fresh water fish and fishing  
CFR 21(9):114.

F

van Pel, H. (1959) 59-8106  
Quart.S.Pacif.Comm., 9(2):21, 36  
Norfolk Island fisheries survey  
CFR 21(9):118.

M

Guibé, J. (1958) 59-8107  
Bull.Mus.Hist.nat., Paris, 30(4):329-41  
 André Marie-Constant Duméril, le père  
 de l'erpétologie. Leçon inaugurale du  
 cours de zoologie (reptiles et poissons)  
 prononcée le 29 Avril 1958 (A.M.-C.  
 Duméril, the father of herpetology.  
 The inaugural lecture in the course in  
 zoology (reptiles and fish), presented  
 April 29, 1958)

BA 33A(12):43634. A review of the work  
 & contributions of Duméril to the  
 science of herpetology.

:jg

F

Kawakami, T, K. Mitsuhashi 59-8110  
 & O. Suzuki (1958)  
Mem.Coll.Agric.Kyoto (Fish.Ser.),  
 Special number:83-91  
 General theory of fishermen's current  
 measuring device, siomiito

BA 33A(12):43721. A mathematical  
 paper with practical applications,  
 incl. proposals for new designs. Sio  
 means tidal current, mi, to detect,  
 & ito, a fine string. In field tests  
 of the siomi-ito against an Ekman-  
 type current meter.

:sjh

M

Drew, K.M. (1958) 59-8108  
Pubbl.Staz.zool.Napoli, 30(3):358-72  
 Studies in the Bangiophycidae. IV. The  
 Conchocelis phase of Bangio fuscopur-  
purea (Dillw) Lyngbye in culture

BA 33A(12):43676. Grown in culture from  
 filaments collected at Naples.  
 Experiments show phase is able to spread  
 from shell to shell in culture vessels  
 whether the shells are in contact or  
 not.

ba

M

Kreps, E.M. (1958) 59-8111  
Proc.Int.Conf.Sci.Res., 1(3):446-56  
 The development of oxidative  
 phosphorylation of the brain in the  
 evolution of vertebrates

BA 33A(12):43757. Low values of the  
 coefficient of phosphrylation in the  
 brain of fishes. Suggests that in  
 aquatic vertebrates there is little  
 association of phosphorylation &  
 oxidation in the brain. In fishes &  
 amphibians penetration rate of  
 phosphorus from the blood stream into  
 the brain is higher than in terrestrial  
 vertebrates.

:sjh

MF

Arnoult, J. & 59-8109  
 J. Spillmann (1958)  
Bull.Mus.Hist.nat., Paris, 30(4):386-92  
 Sur quelques techniques actuelles  
 facilitant le confinement et le  
 transport d'animaux aquatiques vivants  
 (On some special techniques which  
 facilitate the maintenance and  
 transportation of living aquatic  
 animals)

BA 33A(12):43711. For some fish, an  
 anesthetic such as chlorotone may  
 be used or tranquilizers such as  
 chlorpromazine & amobarbital. Plastic  
 bags were successful. A tabular  
 summary is given.

:sjh

M

De Medeiros Tinoco, I.(1959)59-8112  
An.Acad.bras.Cienc., 30(4):575-84  
 Obsevações sobre a microfauna de  
 foraminiferos da Lagoa de Araruama,  
 Estado do Rio de Janeiro (Notes on  
 the foraminifera of the Araruama  
 lagoon, Rio de Janeiro)

BA 33A(12):44192. Study to analyze  
 the ecological factors of the  
 environment. Six spp. of foraminifera  
 & a number of spp. of mollusca were  
 collected from shallow bottom debris.

:sjh

MG



Holte Dahl, H. (1959) 59-8113  
J.sediment.Petrol., 29(1):16-29  
 Geology and paleontology of Norwegian  
 Sea bottom cores

BA 33A(12):44199. Detailed description  
 of distribution of foraminifera in 96 cm.  
 core from depth of 2,950 m.

:ba

"

Hasler, A.D. (1958) 59-8116  
Proc.Int.Conf.Sci.Res., 1(4):658-75  
 Natural and artificially (air-ploughing)  
 induced movement of radioactive  
 phosphorus from the muds of lakes

BA 33A(12):44216. Lakes are wasteful  
 of the P entering them. Therefore  
 intrafertilization procedures promise  
 increased production of fish. Lakes as  
 experimental models for oceanographic  
 & isotope studies.

:ad

"

Eberly, W.R. (1959) 59-8114  
Dissert.Abstr., 19(9):2411-2  
 The metalimnetic oxygen maximum in  
 Myers Lake

BA 33A(12):44214.

F

Leentvaar, P. (1957) 59-8117  
Levende Nat., 60(2):32-7  
 Hydrobiologische waarnemingen in duin-  
 plassen op Terschelling  
 (Hydrobiological observations in pools  
 in the dunes of the Isle of Terschelling,  
 Netherlands)

BA 33A(12):44218.

MF

Hansen, K. (1959) 59-8115  
J.sediment.Petrol., 29(1):38-46  
 Sediments from Danish lakes

BA 33A(12):44215. Muds consist of  
 organic matter (Lumus), lithogenic  
 matter & inorganic biogenic matter.  
 Chemical analysis to differentiate  
 neutral humus from acid humus.

:sjh

F

Radoman, P. (1957) 59-8118  
Arch.biol.Biok., 8(1/2):21-7  
 Malakofitsa i makedonsko jzero  
 Prespansko jezera (Contribution  
 to the malacology of Lake Prespa in  
 Macedonia). Fr

BA 33A(12):44220. Comparative studies  
 of mollusc populations to shed light  
 on origin of large lakes of the Balkan  
 Peninsula. Detailed morphological &  
 anatomical study on what was previously  
 thought to be Margarina prespensis  
 showed it to be Pyrgula prespensis.

:sjh

F

Van der Voo, E.E. (1957) 59-8112  
Levende Nat., 60(6):1-3-33  
 De Oostenrijk (The Netherlands)

BA 33A(12):44222. Description of a stagnant & shallow body of water, elongate in shape, in the polderland SW of Rotterdam. Higher plants occurring are mentioned

:sjh

Krivánek, R.C. & 59-8122  
 J.O. Krivanek (1959)  
Trans. Amer. micr. Soc., 78(1):77-81  
 A new species of Stylochaeta (Gastrotricha) from Louisiana

BA 33E(12):47270. S. curviseta in ditches near Boutte, St. Charles Parish.

:sjh

F

Beers, C.D. (1959) 59-8120  
J. Elisha Mitchell sci. Soc., 75(1):3-10  
 Some observations on the autecology of the ciliate Conchophthirus mytili

BA 33E(12):47232. In July-Aug., 1958, at Salisbury Cove, Maine, nearly every Mytilus edulis that was examined had on its foot from 10 to 50 specimens of C. mytili. No correlation between division & cycles of water propulsion of host. Tolerance for sea water food.

:sjh

M

Papi, F. (1957) 59-8123  
Pubbl. Staz. zool. Napoli, 30(1):177-82  
 Tre nuovi gastrotrichi mediterranei (Three new gastrotrichs from the Mediterranean)

BA 33E(12):47271. Diagnostic characters for Turbanella cirrata from littoral waters near Cuma, Macrodasys gerlachi & M. neapolitanus from sandy bottom of Gulf of Naples.

:sjh

M

Debaisieux, P. (1959) 59-8121  
Cellule, 59(3):362-83  
Lagenophrys lunatus, Im. Ciliate, pérित्रिचे (Lagenophrys lunatus (Ciliata, Peritricha))

BA 33E(12):47236. Cytological & ecological study of a parasitic sp., heavily infesting Palaemon spp. of brackish water. Sexual (conjugation) & parthenogenic (fission) processes are described. A parasite of Lagenophrys is described.

:sjh

MF

Sigeo, G. (1958) 59-8124  
Zool. Mag., Tokyo, 67(12):383-9  
 On some species of cumacean crustacea from Sagami Bay

BA 33E(12):47296. Describes 2 spp., Eocuma lata Galman & Ishionoe sagamiensis.

:sjh

M

Vernet-Cornubert, G. (1958) 59-8125  
Arch.zool.exp.gén., 96(3):104-276  
 Recherches sur la sexualité du crabe  
Pachygrapsus marmoratus (Fabricius)  
 (Researches on the sexuality of the  
 crab Pachygrapsus marmoratus (Fabricius))

BA 33E(12):47300. Feminization of  
 external sex characters of males  
 parasitized by Sacculina found to be  
 independent of state of gonads.

:sjh

M

Basch, P.F. (1959) 59-8128  
Misc.Publ.Mus.Zool.Univ.Mich., 108:1-56  
 The anatomy of Laevapex fuscus, a  
 freshwater limpet (Gastropoda: Pulmo-  
 nata)

BA 33E(12):47393. Specimens of this  
 ancyliid snail were collected in the  
 vicinity of Ann Arbor, Michigan. Field  
 methods & maintenance in laboratory  
 are described: anatomical features  
 with comparisons with investigations  
 reported by other workers on other  
 ancyliid spp.

:sjh

F

Word, B.H., Jr. & 59-8126  
 H.H. Hobbs, Jr. (1958)  
Trans.Amer.micr.Soc., 77(4):435-50  
 Observations on the testis of the  
 crayfish Cambarus montanus acuminatus  
 Faxon

BA 33E(12):47301. Gross & histological  
 descriptions of the testis & its annual  
 cyclic pattern of activity are presented,  
 & the activity is correlated with the  
 cyclic dimorphisms in the male.

:ba

F

Basch, P.F. (1959) 59-8129  
Occ.Pap.Mus.Zool.Univ.Mich., 602:1-9  
 Status of the genus Gundlachia (Pulmo-  
 nata, Ancyliidae)

BA 33E(12) 47394. History of the  
 genus is reviewed. Shells of septate  
 & post-septate forms are ill. Habitat  
 of Gundlachia in all parts of the  
 world appears to be restricted to  
 ponds, swamps, & temporary pools in  
 which the water level fluctuates  
 greatly.

:sjh

F

Allanson, B.R. (1958) 59-8127  
Portug. acta biol., 6B(2) 179-212  
 Some aspects of the ecology of the  
 molluscan genus Siphonaria in South  
 Africa

BA 33E(12):47391. Second part of study.  
 Deals with the physical conditions in  
 the intertidal zone & the vertical  
 distribution of S. capensis, S. aspera &  
S. deflexa on shores of Cape Peninsula.

:sjh

M

Frieswijk, J.J. (1958) 59-8130  
Arch.néerl.Zool., 12(4):562-3  
 The leech-defence reaction of Physa  
fontinalis (L.) and Physa acuta Drap

BA 33E(12):47401.

F



Alexander, R.M. (1959) 59-8131  
J.exp.Biol., 36(2):333-40  
The densities of Cyprinidae

BA 33E(12):47416. Mean sinking factor of each 8 spp. determined by a method involving measurement of the pressure at which anesthetized specimens float. Roach, dace & carp.

:sjh

F

Honma, Y. (1958) 59-8134  
S. Murakawa (1958)  
Collect. & Breed., 20(4):99-101  
Notes on young of a Japanese genuine  
Halichoeres tenuispinnis  
(Günther)

BA 33E(12):47429. First report on color pattern of young of this sp.

:sjh

M

Halstead, B.W. & D.W. Schall (1958) 59-8132  
Acta trop., Basel, 15(3):193-233  
A report on the poisonous fishes of the Line Islands

BA 33E(12):47426. A total of 89 sp. of marine fishes in 24 families, the majority of which are shore inhabitants, was tested. 67% were toxic.

:sjh

M

Metcalf, A.L. (1959) 59-8135  
Publ.Mus.nat.Hist.Univ.Kansas, 11(6):345-400  
Fishes of Chautauqua, Cowley and Elk Counties, Kansas

BA 33E(12):47437. Fish fauna of the area studied is transitional between the Ozarkian & Great Plains fauna. Fluctuation in water level important in determining distribution. In several instances, the only fishes found in isolated pools were Lepomis cyanellus & Ictalurus melas. Faunal associations are compared & discussed.

:sjh

F

Honma, Y. (1958) 59-8133  
Collect. & Breed., 20(2):62-3  
On the ambicoloration found in a red halibut, Hippoglossoides dubius (SCHMIDT), from Sea of Japan

BA 33E(12):47428. First report on ambicoloration of this sp.

:sjh

M

Minckley, W.L. (1959) 59-8136  
Publ.Mus.nat.Hist.Univ.Kansas, 11(7):401-42  
Fishes of the Big Blue River Basin, Kansas

BA 33E(12):47438. Geography & geology of region; its climate, population, & land use; physical features of streams; & previous records of fishes are discussed. Annotated list of 53 spp. Citations of previous records & the stations where obtained. Relative abundance of the spp. Table showing frequency of occurrence in sandy streams, muddy streams, & gravelly streams. Notropis lutrensis was the most abundant.

59-8136  
(Card 2)

Its spawning behaviour is described.  
Creel census in 1957 & in 1958.  
Fishing pressure.

:sjh

F

Tavolga, W.N. (1959) 59-8140  
Biol.Rev.Coll.N.Y., 21(1):4  
A blenny guards his brood

BA 33E(12):47448.

M

Slastenenko, E.P. (1958) 59-8138  
Toronto, Kiev Printers, 385 p.  
The freshwater fishes of Canada

BA 33E(12):47443. Detailed description  
& identification tables for 185 native  
& introduced spp; incl. synonymy,  
taxonomy, distribution, & general  
information on size, habitat, food  
habits & commercial value. Growth rates  
are ill. Keys to the families, genera,  
& spp.; a glossary, references, index  
to scientific & common names, & a  
distributional summary.

:sjh

F

Whitley, G.P. (1958) 59-8141  
Aust.Mus.Mag., 12(12):398-401  
New Guinea fishes

BA 33E(12):47450. Popular account of  
various odd or characteristic spp.  
Marine spp. are similar to those  
from the Red Sea to Madagascar &  
across the Indo-Australian archipelagoes  
to the Southern Pacific Ocean.

:ba

MF

Whitley, G.P. (1958) 59-8139  
Aust.Mus.Mag., 11(9) 374-6  
The ghost pipefish

BA 33E(12):47449. General description  
of Solenichthys sp.

:sjh

M

Palik, P. (1957) 59-8142  
Ann.Univ.sci.Budapest, (Biol.), 1:205-18  
Studien über Hildenbrandia rivularis  
(Liebm.) S.Ag. (Studies on  
Hildenbrandia rivularis (Liebm.) ).

F

Mohapatra, P. (1957) 59-8143  
J. Bombay nat. Hist. Soc., 54(3):773-5  
 The "marala" a sirdi net used in the  
 backwaters of Ganjam, Orissa

BA 32A(12):39264. The net is described,  
 ill. & its operation discussed in  
 detail.

sjh

MF

Kornas, J. (1958) 59-814  
Bull. Acad. polon. Sci. (Biol.), 7(2):1,  
 bottom vegetation of the Bay of  
 Gdansk off Rewa

M

Drew, K.M. (1958) 59-8144  
J. Linn. Soc. (Bot.), 55:744-52  
 The typification of Polyides and  
Furcellaria

M

Goodwin, T.W. (1958) 59-8147  
Qualitas Plantarum et Materiae  
Vegetabiles, (3/4):262-80  
 Some problems of carotenoid formation  
 in photosynthetic tissues

G

Sasson, A. (1959) 59-8145  
Trav. Inst. sci. chérif. (Bot.), (17):83  
 Recherches ecologiques et biologiques  
 sur les algues d'une mare temporaire  
 (Ecological and biological investigations  
 on algae in a temporary pond)

M

Ohle, W. (1958) 59-8148  
Vom Wasser, 25:127-49  
 Die Stoffwechseldynamik der Seen in  
 Abhängigkeit der Gasausscheidung  
 ihres Schlammes (Metabolism  
 dynamics of lakes in relation to the  
 gas elimination of their muds)

F



Norris, J.R. (1959) 59-8149  
Lab.Pract., 8:239-43  
The isolation and identification of  
azotobacters

MF

Macan, T.T. (1959) 59-8152  
London, Longmans, 118 p.  
A guide to freshwater invertebrate  
animals



F

Hawkes, H.A. (1959) 59-8150  
J.appl.Biol., 47:339-49  
The effects of methods of sewage  
application on the ecology of bacteria  
beds

MF

Danielli, J.F., K.G.A. 59-8153  
Pankhurst & A.C. Riddiford (Eds.)(1959)  
London, Pergamon Press, 330 p.  
Surface phenomena in chemistry and  
biology

G

Rawson, D.S. (1959) 59-8151  
Fish.Rep.Saskatch.Dep.nat.Resour., 4:73 p.  
Limnology and fisheries of Green and  
Wollaston Lakes in northern Saskatchewan

F

Adrov, M.M. (1957) 59-8154  
Trud.poliar.N.-I.Inst.Morsk.Rybn.  
Okeanogr., 10:198-211  
(Hydrological investigations in the  
Kopytov area). Ru

F

Ohle, W. (1959) 59-8155  
Natur u.Volk, 89:177-88  
Blick in die Tiefe des Grossen Plöner  
Sees mit Fernseh-und Photo-Kameras  
(A flash in the deep Grosse Plöner See  
with television and photographic cameras)

F

Stick, O. (1958) 59-8158  
Prace Výsk.úst.Vodohosp., Bratislava, (2)  
115 p.  
(Treatise on drift laws of solid  
materials). Cs Fr

F

Rossolimo, L.L. (1957) 59-8156  
Trud.Baikal.limnol.Sta., 16:551  
Temperaturii rezhim ozera Baikal  
(Temperature conditions in Lake Baikal)

F

Stauffer, T.M. & 59-8159  
M.J. Hansen (1958)  
Mis.Publ.Inst.Fish.Res.Mich.Univ., (11):  
25 p.  
Distribution of sea lamprey ammocoetes  
in Michigan tributaries of Lake  
Superior 1955-1957

MF

Prochazka, J. (1958) 59-8157  
Prace Výsk.úst.Vodohosp., Bratislava,  
(1):111 p.  
(The accuracy of velocity measurement  
and of water discharges with a current  
meter). Cs En

MF

Cocking, A.W. (1959) 59-8160  
J.exp.Biol., 36:203-16  
The effects of high temperatures on  
roach (Rutilus rutilus). I. The effects  
of constant high temperatures

F

Cocking, A.W. (1959) 59-8161  
J.exp.Biol., 36:217-26  
The effects of high temperatures on  
roach (Rutilus rutilus). II. The  
effects of temperature increasing at  
a known constant rate

F

Alexander, R.M. (1959) 59-8164  
J.exp.Biol., 36:315-32  
The physical properties of the  
swimbladder in intact cypriniformes

F

Gordon, M.S. (1959) 59-8162  
J.exp.Biol., 36:227-52  
Ionic regulation in the brown trout

F

Alexander, R.M. (1959) 59-8165  
J.exp.Biol., 36:341-6  
The physical properties of the  
isolated swimbladder in Cyprinidae

F

Gordon, M.S. (1959) 59-8163  
J.exp.Biol., 36:253-60  
Osmotic and ionic regulation in  
Scottish brown trout and sea trout.  
(Salmo trutta L.)

MF

Lauwerier, H.A. (1958) 59-8166  
Rapp.Meth.Cent., Amsterdam, 52  
The influence of some uniform  
windfields upon a sea having the  
form of a semi-elliptic strip

lw

M



Alexander, R.M. (1959) 59-8167  
J.exp.Biol., 36:347-55  
The physical properties of the  
swimbladder of fish other than  
cypriniformes

MF

Khokhlina, N.S. (1957) 59-8170  
Trud.poliar.N.-I.Inst.Morsk.Rybn.  
Okeanogr., 10:212-29  
(Distribution and migration of the  
capelin in the Barents Sea during  
the period 1945-52). Ru

M

Fryer, G. (1958) 59-8168  
N.Rhodesia J., 7:483-8  
Mwamfuli's village: the new fulcrum of  
the Bangweulu fish trade

F

Prokhorov, V.S. (1957) 59-8171  
Trud.poliar.N.-I.Inst.Morsk.Rybn.  
Okeanogr., 10:230-43  
(On the migrations and spawning of  
the Barents Sea capelin in 1953 and  
1954). Ru

M

Numann, W. (d.u. 1959?) 59-8169  
Schweiz.FischZtg., 67(4/5):3 p.  
Blaufelchenfischerei und -forschung  
am Bodensee im Jahre 1958  
(Fishing of and investigation on blue  
char in Lake Constance during 1958)

F

Travin, V.I. (1957) 59-8172  
Trud.poliar.N.-I.Inst.Morsk.Rybn.  
Okeanogr., 10:161-71  
(The fisheries of the redfish in the  
southern part of the Barents Sea and  
in the Kopytov area). Ru

M

Hisaoka, K.K. (1958) 59-8173  
Trans.Amer.micr.Soc., 77:240-3  
Microscopic studies of the teleost  
chorion

MF

Black, H.H. et al. (1957) 59-8176  
Sewage industr.Wastes, 29(1) 53-75  
Industrial waste guide - By-product  
coke industry

BA 32A(12):39557. A comprehensive  
report on the by-product coke  
industry's effluent problems. United  
States. Taste & odor imparted to  
receiving waters & toxic effects on  
aquatic life receive attention & data  
from bio-assays using the fathead  
minnow, Limnithales promelas, are incl.  
for various effluent components.  
Remedial measures.

:sjh

F

Latta, W.C. (1959) 59-8174  
Pap.Mich.Acad.Sci., 1958, 44:123-38  
Significance of trap-net selectivity in  
estimating fish population statistics

MF

Tjønnealand, A. (1958) 59-8177  
Univ.Bergen Arb.naturv.R., (17):20 p.  
Observations on three species of  
East African Chironomidae (Diptera)

F

Fryer, G. (1959) 59-8175  
Rev.Zool.Bot.afr., 59:33-49  
The breeding habits, embryology and  
larval development of Labeo victorianus  
Boulenger

F

Fryer, G. (1959) 59-8178  
Bull.ent.Res., 50:1-8  
Lunar rhythm of emergence, differential  
behaviour of the sexes and other  
phenomena in the African midge,  
Chironomus brevibucca (Kieff.)

F

Tjønneland, A. (1958) 59-8179  
Univ. Bergen Arb. naturv. R., (16) 12 p.  
Observations on Chaoborus edulis  
(Edwards) (Diptera, Culicidae)

F

Peabody, F.E. (1959) 59-8182  
Univ. Calif. Publ. Zool., 63(1) 1-72  
Trackways of living and fossil  
salamanders

F

Corbet, P.S. (1958) 59-8180  
Rev. Zool. Bot. afr., 57:73-95  
Some effects of DDT on the fauna of  
the Victoria Nile

F

Underhill, F.H. (Ed.) (1959) 59-8183  
Toronto, Univ. Press  
The Canadian Northwest: its  
potentialities

Contains 59-8184.

MFG

Corbet, P.S. (1959) 59-8181  
Proc. R. ent. Soc. Lond., 34A:17-22  
Notes on the insect food of the Nile  
crocodile in Uganda

F

Rawson, D.S. (1959) 59-8184  
In 59-8183:61-75  
Biological potentialities

MFG



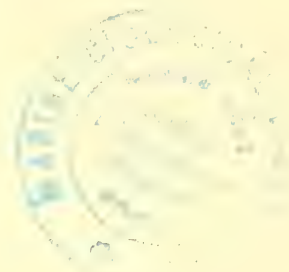
C.O.I. (1959) 59-8185  
U.K. Min.Agr.Fish.Food  
Hydrological investigations in the  
Kopytov area

En transl. of 59-8154.

F

C.O.I. (1959) 59-8188  
U.K. Min.Agr.Fish.Food  
The fisheries of the redfish in the  
southern part of the Barents Sea and  
in the Kopytov area

En transl. of 59-8172.



M

C.O.I. (1959) 59-8186  
U.K. Min.Agr.Fish.Food  
Distribution and migration of the  
capelin in the Barents Sea during  
the period 1945-52

En transl. of 59-8170.

M

C.O.I. (1959) 59-8189  
U.K. Min.Agr.Fish.Food  
On the tube-building and food  
absorption of certain Spionidae  
(Polychaeta Sedentaria) of the  
German coasts

En transl. of 59-8016.

M

C.O.I. (1959) 59-8187  
U.K. Min.Agr.Fish.Food  
On the migrations and spawning of the  
Barents Sea capelin in 1953 and 1954

En transl. of 59-8171.

M

Emerson, W.K. (1958) 59-8190  
Amer.Mus.Novit., 1894:1-25  
Results of the Puritan-American Museum  
of Natural History expedition to  
western Mexico

BA 32A(12) 39190. Schooner sailed from  
Newport, California on March 5, 1957,  
along the west coast of Baja California,  
the Tres Marias Islands off San Blas,  
& in the Gulf of California & returned  
on June 6, 1957. Fifty different  
collecting localities were visited, 183  
marine stations & 81 sediment stations  
were established. Collections of recent  
& fossil invertebrates, mammal &  
herpetological specimens.

:sjh

M

Castenholz, R.W. (1958) 59-8191  
Dissert.Abstr., 18(1):33-4  
Seasonal changes in the algae of fresh-  
water and saline lakes in the Lower  
Grand Coulee, Washington

BA 32A(12):39558.

MF

Paterson, R.A. (1958) 59-8194  
Dissert.Abstr., 18(4):1231  
A contribution to the limnology and  
mycology of the phycomycetes which  
invade planktonic organisms

BA 32A(12):39564.

F

De Oliveira, L. et al. (1957) 59-8192  
Mem.Inst.Osw.Cruz, 55(2):211-75  
Observações hidrobiológicas e  
mortalidade de peixes na Lagoa Rodrigo  
de Freitas (Hydrobiological  
observations and fish mortality in the  
lagoon of Rodrigo de Freitas, Brazil)

BA 32A(12):39560. A description of the  
lagoon is given along with studies  
of the types of plankton present,  
salinity, etc. tables indicate chemical  
analyses of the water at different  
points. Some causes involved are  
changes in salinity, eruption of  
Anabaena, the presence of Glenodinium  
in the plankton. Overpopulation

Tsuda, M. & 59-8195  
T. Watanabe (1958)  
Jap.J.Ecol., 8(1):43-9  
(Ecological study on the algae and the  
aquatic insects of Satsuki-gawa,  
Tsukigase-mura, Nara Prefecture).  
Ni En

BA 32A(12):39566. Contents as per title.

:sjh

F

59-8192  
(Card 2)  
the accumulation of decomposition  
products from the death of the fish  
cause contamination. Means employed in  
other countries to combat similar  
conditions are discussed, & suggestions  
made as to possible measures which may  
be taken in Brazil to prevent this  
lagoon from becoming a public health  
hazard.

:sjh

MF

Sawyer, P.J. (1958) 59-8196  
Dissert.Abstr., 18(4):1548-9  
Investigation of the possibility of  
selective chemical control of larval  
Petromyzon marinus Linnaeus

BA 32A(12):39598.

MF

Anonymous (1957) 59-8197  
Tech.Rep.World Hlth Org., 135 3-38  
African conference on bilharziasis

BA 32E(12):42281. Epidemiological surveys south of the Sahara are reviewed. Geographical distribution of its intermediate hosts. Control calls for participation of services responsible for irrigation, public works, agriculture & fisheries. Factors influencing epidemiology. Suggestions regarding international coordination of control & research, exchange of information, & training of personnel.

:sjh

F

Moore, W.G. (1958) 59-8200  
J.Wash.Acad.Sci., 48(5):169-75  
On the occurrence of Streptocephalus similis Baird in Mexico and the United States

BA 32E(12):42364. The Dominican fairy shrimp, Anostraca: Branchiopoda, previously known only from the West Indies, is here recorded from 11 localities in NE Mexico & SW Texas. Diagnostic characters summarized from published accounts, museum collections, & the recently collected specimens. Observations on habitat factors, sex ratios, egg counts, & the spp.-composition of mixed Anostraca populations.

:sjh

M

Prost, M. (1957) 59-8198  
Acta parasit.polon., 5(1/12):107-15  
Dactylogirus vistulae sp. n. and  
Gyrodactylus raabei sp.n. - new species of Monogenoidea of gills fo fishes

BA 32E(12):42324. Detailed descriptions.

:sjh

F

Stasek, C.R. (1958) 59-8201  
J.Wash.Acad.Sci., 48(4):119-26  
A new species of Allogaussia (Amphipoda, Lysianassidae) found living within the gastrovascular cavity of the sea anemone Anthopleura elegantissima

BA 32E(12):42372. A. recondita found at Moss Beach, San Mateo county & Bodega Bay, California.

:sjh

M

Hobbs, H.H., Jr. & 59-8199  
M. Walton (1958)  
J.Elisha Mitchell sci.Soc., 74(1):7-12  
Procambarus pearsei luminatus, a new crayfish from North Carolina (Decapoda, Astacidae)

BA 32E(12):42356. Described from Craven & Duplin counties, N.C.; new locality records; notes on color & habits.

:sjh

F

Toffoletto, F. (1957) 59-8202  
Natura, Milano, 48(2/3):105  
L'Anodonta cygnea (Pfeiff.) del lago di Loppio, presso Rovereto (A. cygnea from the Lago di Loppio, near Rovereto)

BA 32E(12):42486.

F

Anderson, W.D. & 59-8203  
H.W. Freeman (1957)  
Univ.S.Carol.Publ., (Biol.), 2(2):90-111  
Fishes of the Congaree River drainage,  
South Carolina

BA 32E(12):42496. Specimens represent  
18 families, 36 genera, & 52 spp.  
Scientific name & at least one common  
name are given. References for  
identification & distribution.

:sjh

F

Fraser, F.C. (1959) 59-8206  
Ent.Mon.Mag., 95:88-9  
A note on the differentiation of  
Lestes unifer Karsch and L. pinheyi  
Fraser (Odon., Lestidae)

F

Hikida, T. (1957) 59-8204  
J.Fac.Sci.Hokkaido Univ.(Zool.), 13(1/4):  
46-8

A preliminary list of fishes from North  
Pacific Ocean

BA 32E(12):42503. A lamprey, & 3  
cartilaginous & 15 bony fishes are  
listed.

:sjh

M

Allen, A.A. (1959) 59-8207  
Ent.Mon.Mag., 95:87  
Hydroporus incognitus Sharp (Col.,  
Dytisoidae) in West Kent and Berks.;  
and a possible extension of its  
habitat-range

F

Peters, H.M. (1957) 59-8205  
Z.Naturf., 12B(4):255-61  
Über die Regulation der Gelegegrösse bei  
Fischen (On the regulation of the  
clutch size in fishes)

BA 32E(12):42507. In the ovary of  
Hemichromis bimaculatus a number of eggs  
mature at a laying, but large number of  
reserve eggs do not complete development.  
Number of eggs is related to body weight  
of fish.

:sjh

F

O'Rourke, F.J. (1958) 59-8208  
Ent.Gaz., 9:63-72  
Serological tools in entomological  
research

G



Lubet, P. (1957) 59-8209  
Ann.biol., Paris, 33(1-2):19-29  
 Cycle sexuel de Mytilus edulis L. et  
 de Mytilus galloprovincialis Lmk. dans  
 le bassin d'Arcachon (Gironde)  
 (Sexual cycle of Mytilus edulis L. and  
 of Mytilus galloprovincialis Lmk. in the  
 Arcachon Basin (Gironde))

See 580140.

FiB:

M

Feldmann, J. (1957) 59-8212  
Ann.biol., Paris, 33(1-2):49-56  
 La reproduction des algues marines  
 dans ses rapports avec leur situation  
 géographique (Reproduction of  
 marine algae in relation to their  
 geographic situation)

See 580143.

FiB:

M

Durchon, M. (1957) 59-8210  
Ann.biol., Paris, 33(1-2):31-42  
 Problèmes posés par le comportement  
 des Néréidiens au moment de leur  
 reproduction (Problems posed by the  
 behaviour of Nereids at the moment of  
 reproduction)

See 580141.

FiB:

M

Barnes, H. (1957) 59-8213  
Ann.biol., Paris, 33(1-2):67-85  
 Processes of restoration and  
 synchronization in marine ecology.  
 The spring diatom increase and the  
 "spawning" of the common barnacle,  
Balanus balanoides (L.)

See 580145.

FiB:

M

Marshall, S.M. & 59-8211  
 A.P. Orr (1957)  
Ann.biol., Paris, 33(1-2):43-7  
 The life history of the copepod Calanus  
finmarchicus in different latitudes

See 580142.

FiB:

M

Kinne, O. (1957) 59-8214  
Ann.biol., Paris, 33(1-2):87-92  
 A programmatic study of comparative  
 biology of marine and brackish water  
 animals

See 580146.

FiB:

MF

Smith, R.I. (1957) 59-8215  
Ann.biol., Paris, 33(1-2):93-107  
A note on the tolerance of low  
salinities by nereid polychaetes and  
its relation to temperature and  
reproductive habit

See 580147.

FiB:

M

Swedmark, M. (1957) 59-8218  
Ann.biol., Paris, 33(3-4):163-70  
Variation de la croissance et de la  
taille dans différentes populations  
du téléostéen Gobius minutus  
(Variation in growth and size in  
different populations of the  
teleostean Gobius minutus)

See 580153.

FiB:

M

Teissier, G. (1957) 59-8216  
Ann.biol., Paris, 33(3-4):151-7  
Formes locales et biométrie  
(Local forms and biometry)

See 580151.

FiB:

M

Harder, W. (1957) 59-8219  
Ann.biol., Paris, 33(3-4):171-7  
Die Darmlänge bei Clupeoiden von  
Fundorten verschiedener geographischer  
Breite (Stomach length in  
clupeoids from localities of different  
geographic breadth)

See 580154.

FiB:

M

Morris, R.W. & 59-8217  
B.T. Scheer (1957)  
Ann.biol., Paris, 33(3-4):159-61  
The relation of meristic characters  
in fishes to temperature and water  
movements

See 580152.

FiB:

M

Matsakis, J. & 59-8220  
G. Petit (1957)  
Ann.biol., Paris, 33(3-4):179-82  
Sens et étendue des variations de la  
forme du corps chez Idotea viridis,  
isopode valvifère (Nature and  
extent of variations of body form in  
Idotea viridis, a valve bearing isopod)

See 580155.

FiB:

M

Swedmark, B. (1957) 59-8221  
Ann.biol., Paris, 33(3-4):183-9  
Variation morphologique des différentes  
populations régionales d'Halammohydra  
(Morphological variation of different  
regional populations of Halammohydra)

See 580156.

FiB:

Fry, F.E.J. (1957) 59-8224  
Ann.biol., Paris, 33(3-4):205-19  
The lethal temperature as a tool in  
taxonomy

See 580159.

FiB:

MF

Prosser, C. (1957) 59-8222  
Ann.biol., Paris, 33(3-4):191-7  
Proposal for study of physiological  
variation in marine animals

See 580157.

FiB:

Marshall, S.M. & 59-8225  
A.P. Orr (1957)  
Ann.biol., Paris, 33(5-6):221-6  
A preliminary note on seasonal  
changes in respiration in copepods

See 580160.

FiB:

Bullock, T.H. (1957) 59-8223  
Ann.biol., Paris, 33(3-4):199-203  
The objectives of studying physiology  
as function of latitude and longitude

See 580158.

FiB:

Barigozzi, C. (1957) 59-8226  
Ann.biol., Paris, 33(5-6):241-50  
Différenciation des génotypes et  
distribution géographique d'Artemia  
salina Leach: données et problèmes  
(Differentiation of genotypes and  
geographic distribution of Artemia  
salina Leach: data and problèmes)

See 580163.

FiB:

N

Staiger, H. (1957) 59-8227  
Ann.biol., Paris, 33(5-6):251-8  
Genetical and morphological variation  
in Purpura lapillus with respect to  
local and regional differentiation of  
population groups

See 580164.

FiB:

M

Segerstråle, S.G. (1957) 59-8230  
Ann.biol., Paris, 33(5-6):279-81  
The role of the Baltic in the work to  
be planned at the Roscoff Symposium

See 580169.

FiB:

M

Božić, B. (1957) 59-8228  
Ann.biol., Paris, 33(5-6):269-73  
Recherches taxonomiques sur des formes  
du genre Tigriopus Norman

See 580166.

FiB:

M

Buchsbaum, R. (1957) 59-8231  
Ann.biol., Paris, 33(5-6):283-5  
Paleoecological factors in the sea

See 580169.

FiB:

M

Zenkevitch, L. (1957) 59-8229  
Ann.biol., Paris, 33(5-6):275-7  
Propositions adressées au Colloque  
(Proposals placed before the Conference)

See 580167.

FiB:

M

Kesteven, G.L., H. Rosa, Jr. 59-8232  
& S.J. Holt (1957)  
Ann.biol., Paris, 33(5-6):287-97  
A note on abundance and distribution  
of marine organisms of economic  
importance

See 580170.

FiB:

M



Zenkevitch, L. (1957) 59-8233  
Ann.biol., Paris, 33(5-6):317-30  
Program of researches of marine biology  
proposed for the International  
Geophysical Year

See 580172.

FiB:

M

Meyer, M.C. (1958) 59-8236  
J.Parasit., 44(4)Sect.2:42  
Studies on Philonema agubernaculum, a  
dracunculoid nematode infecting  
salmonids

SFA 3(3)1669. P. agubernaculum in  
landlocked salmon, Salmo salar, &  
eastern brook trout, Salvelinus  
fontinalis, in Maine lakes. Larvae have  
remained viable in lake water for 14  
days, during which Cyclops sp. were  
infected. Infected copepods were fed to  
hatchery-reared, fingerling salmon  
with inconclusive results. Forage fish,  
Hybopsis, Notemigonus, Osmerus, were  
examined as possible intermediate

Bullock, W.L. (1958) 59-8234  
J.Parasit., 44(4)Sect.2:24-5  
The blood protozoa of the marine fish  
of Southern New England

SFA 3(3)1667. Summer 1953, blood smears  
were made & examined from 209 fish  
representing 43 spp. Of these, 14 fish,  
6 spp., were infected with some spp. of  
blood protozoa. Haemogregarina sp.  
observed in Spheroides, haemogregarine-  
like parasite in Centropristis,  
Trypanosoma in Raja; Kudoa sp. in  
Pseudopleuronectes & Fundulus.

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M

59-8236  
(Card 2)  
hosts, using a modified pepsin-  
HCl digestion technique.

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MF

Hughins, E.J. (1958) 59-8235  
J.Parasit., 44(4)Sect.2:33  
Studies on parasites of fishes in South  
Dakota

SFA 3(3)1668. More than 400 fishes from  
about 25 different bodies of water -  
largely lakes - have been examined for  
worm & arthropod parasites. Preliminary  
list of parasites found is presented.

:sfa

F

Leigh, W.H. (1958) 59-8238  
J.Parasit., 44(4):379-85  
The life-history of Macroderoides  
spiniferus Pearse, 1924, a trematode of  
the Florida spotted gar, Lepisosteus  
platyrhincus

SFA 3(3)1670. Helisoma durvi, a common  
pulmonate snail of Florida frequently  
infected with a xiphidiocercaria which  
encysts in several spp. of small  
fishes, incl. Gambusia affinis  
holbrooki. Tadpoles are also inter-  
mediate hosts. Metacercariae in fish  
become infective in 14 days & after  
being eaten by the gar, become  
sexually mature in the small intestine.

:sfa

F

Bassett, H.M. (1958) 59-8239  
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:  
28-30

Further life history studies of two species of suckers in Shadow Mountain reservoir, Grand County, Colorado

SFA 3(3)1671. Spawning migrations of western white suckers & western long-nose suckers. Diet, control program, population.

sfa

F

59-8241  
(Card 2)

in synergism with other ions such as uranium or zinc.

sfa

F

Hoffman, G.L. (1958) 59-8240  
J.Parasit., 44(4):416-21  
Studies on the life-cycle of Crnithodiplostomum ptychocheilus (Faust) (Trematoda:Strigeoidea) and the "self cure" of infected fish

SFA 3(3)1672. Adults obtained by feeding baby chicks with metacercariae from Notropis, Pimephales & Semotilus. Physa were infected with the resulting miracidia, & the sporocysts & cercariae are described. The fish were experimentally infected & the development of the metacercaria & cyst is described. Histopathology.

sfa

F

Rollefson, M.D. (1958) 59-8243  
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:  
38-40

The development and evaluation of interrupted direct current electro-fishing equipment

SFA 3(3)1674. Study to investigate the feasibility of a lethal electric downstream barrier for the purpose of preventing immigration of carp, Cyprinus carpio, into a chemically-treated reservoir.

sfa

F

Barnhart, R.A. (1958) 59-8241  
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:  
25-8

Chemical factors affecting the survival of game fish in a Western Colorado reservoir

SFA 3(3)1673. Lake has been stocked with black bullhead, bluegill, channel catfish, largemouth bass, rainbow trout, white crappie, & yellow walleye. Almost a complete mortality has occurred after each introduction. Probably resulted from the toxic effects of selenium, possibly acting

Powell, G.C. (1958) 59-8244  
Quart.Rep.Colo.Coop.Fish.Res.Un., 4:  
31-7

Evaluation of the effects of a power dam water release pattern upon the downstream fishery

SFA 3(3)1675. Investigations during summer 1957 revealed that effects of water discharges from Green Mountain Power Dam in north central Colorado reduced bottom fauna populations, trout feeding success, & trout growth. Effects determined by comparing biological data collected in the Blue

59-8244  
(Card 2)

River below the dam with those collected from the undisturbed Blue River above Green Mountain reservoir.

sfa

F

Burdick, G.E., H.J. Dean 59-8248  
& E.J. Harris (1958)  
N.Y. Fish Game J., 5(2):133-63  
Toxicity of cyanide to brown trout and smallmouth bass

SFA 3(3)1747. Toxicity curves established for brown trout & smallmouth bass, plotting mean time to death against concentration. Constant flow, constant temperature device was used in the procedure & is described. Comparison between toxicity of cyanide in soft, acid water & that in a water of median alkalinity. Methods of reduction of oxygen are compared

Charles, J.R. (1957) 59-8246  
Bull. Ky Dep. Fish Wildl. Resour., (22):  
1-45

Final report on population manipulation studies in three Kentucky streams

SFA 3(3)1681. Findings of a Dingell-Johnson project that has been concerned since 1952 with the manipulation of populations in 3 streams typical of types found in the state, i.e., excessive numbers of rough fish in proportion to the numbers of game fish, generally clear most of the year, relatively cool waters & rocky bottoms.

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59-8243  
(Card 2)

preliminary to establishing toxicity curves at reduced oxygen comparable to the "standards" established by the Water Pollution Control Law of this state. A threshold value for toxicity is approximated for each curve by graphical method & method is used to compute equation curve.

sfa

F

Outten, L.M. (1958) 59-8247  
J. Mlisha Mitchell sci. Soc., 74(2):  
122-34

Studies of the life history of the cyprinid fishes Notropis galacturus and rubricroceus

SFA 3(3)1720. Both spp. occur in the uppon Tennessee River system; galacturus also in tributaries of the Cumberland, White, & St. Francis Rivers, & Kanawha, Santee, & Savannah systems. Additional distributional data, synonymy, general behaviour, reproduction, age & growth, & food & feeding habits are discussed.

sfa

F

Zilliox, R.G. & 59-8250  
W.D. Youngs (1958)  
N.Y. Fish Game J., 5(2):164-74  
Further studies on the smelt of Lake Champlain

SFA 3(3)1748. Studies conducted during Feb. & March 1948 & 1950 to determine the status of the fishery. Comparative data from study during a similar period in 1929. 2 major races inhibit lake.

F



Haskell, D.C. & 59-8251  
R.O. Davies (1958)  
N.Y. Fish Game J., 5(2):175-83  
Carbon dioxide as a limiting factor  
in trout transportation

SFA 3(3)1749. Reports experiments.

:sjh

F

Latta, W.C. (1958) 59-8254  
Dissert. Abstr., 18(5):1905  
The ecology of the smallmouth bass,  
Micropterus d. dolomieu Lacépède, at  
Waugoshance Point, Lake Michigan

SFA 3(3)1782. Study of reproduction,  
growth, movement, mortality rates &  
numerical abundance. Comparison with  
other smallmouth bass populations in  
Michigan's Great Lakes for the  
formulation of a management plan.

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F

Gerking, S.D. (1957) 59-8252  
Gerontologia, 1(5):287-305  
Evidence of aging in natural  
populations of fishes

SFA 3(3)1755. Survivorship curves of  
populations. Unexploited spp. exhibit  
an increasing rate of mortality with  
increasing age. This characteristics  
found in the whitefish, lake trout,  
sauger, arctic whitefish, tullibee.  
rock bass, Pacific herring.

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LF

Breder, C.M., Jr. (1957) 59-8255  
Zoologica, N.Y., 42(1):1-10  
Miniature circulating systems for  
small laboratory aquaria

SFA 3(3)1783. Detailed explanations  
for their construction & maintenance.  
Incl. open & closed freshwater  
systems & closed marine systems,  
designed for laboratory use  
primarily in connection with  
ichthyological experimentation.

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LF

El-Zarka, S.E.-D. (1958) 59-8253  
Dissert. Abstr., 18(5):1904  
Fluctuations of the yellow perch  
population in Saginaw Bay

SFA 3(3)1781. Comparison of perch  
collected in 1929-30 & 1943-55 as to  
growth rate, age composition, size  
distribution, length-weight relation,  
sex ratio: description & inquiry into  
factors of fluctuations in the strength  
of the year classes 1939-52 & in  
growth rate in 1942-54.

:sfa

F

Honma, Y. (1957) 59-8256  
Jap. J. Ichthyol., 5(3-6):175-81  
On the pituitary gland of some  
Japanese teleosts

SFA 3(3)1794. Glands of more than 30  
spp. are described. The basic structure  
is more similar among more closely  
related sp. .

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LF



Kafuku, T. (1957) 59-8257  
Jap.J.Ichthyol., 5(3-6):163-73  
 Ecological and phyletic significance  
 of anal fin between cyprinids and  
 catostomid fish

SFA 3(3)1795. Relation between  
 morphology & the mode of living is  
 discussed.

sfa

F

McFadden, J.T. (1957) 59-8260  
Trans.Wis.Acad.Sci.Arts Lett., 45:21-9  
 Characteristics of trout angling at  
 Lawrence Creek, Wisconsin

SFA 3(3)1826. Census records  
 brook trout & rainbow trout. Angling  
 intensity. Recruitment.

sfa

F

Kusa, M. (1957) 59-8258  
Annot.zool.jap., 33(1):47-71  
 Behaviour of isolated cortical alveoli  
 of stickleback eggs

SFA 3(3)1804. Envelopes of alveoli in  
 unfertilized eggs of Pungitius  
pungitius work as osmotic membranes.

sfa

F

Jackson, S.W., Jr. (1958) 59-8261  
Trans. Am. Fish. Soc., 87:232-47  
 Comparison of the age and growth of  
 four fishes from lower and upper  
 Spavinaw Lakes, Oklahoma

SFA 3(3)1827. Study of 2 reservoirs  
 on the same mainstream: one 31-year-  
 old, the other two-year old. Spp.  
 selected for study; largemouth bass  
 as a representative predator or game  
 sp., the white crappie as a  
 representative pan fish, the gizzard  
 shiner as a forage sp., & the spotted  
 bass as a rough or coarse fish.

sfa

F

Anonymous (1957) 59-8259  
Bull. mar. oceanogr. Fdn., 3(1):21-31  
 Mystery of the red tide

SFA 3(3)1815. Historical account of  
 the phenomenon, & description of  
 research off the Florida coast that  
 led to understanding the conditions  
 that cause outbreaks, & successful  
 predictions.

sfa

M

Manter, H.W. (1957) 59-8262  
Am. J. Zool., 44:85-94  
 Host specificity and other host  
 relationships among the digenetic  
 trematodes of marine fishes

SFA 3(3)1840. Location of Digenea  
 within their hosts, convergent  
 evolution among the Digenea, host  
 specificity among Digenea of fishes,  
 & speciation & evolution among Digenea  
 of fishes are discussed, with tables  
 showing families of Digenea known as  
 parasites of certain types of fishes,  
 & the host distribution for certain  
 groups of Digenea.

sfa

M

Bush, R.R. & 59-8263  
T.R. Wilson (1957)  
J.exp.Psychol., 51:315-22  
Two-choice behaviour of paradise fish

SFA 3(3)1844. Samples were run in a T-maze. Control samples were run in the conventional manner while experimental samples were allowed to observe the presence or absence of food on both sides of the maze. 2 stochastic models are discussed: one predicts increment of probability of a choice as a function of food placement on the preceding trial. Second predicts

59-8265  
(Card 2)  
contractions locomotion similar to normal. Substantiated by study of fish with special types of locomotion, e.g., flatfishes. Fish that swim by fins only do not exhibit galvanotaxis although they perceive current.

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MF

59-8263  
(Card 2)  
that sight of food in opposite box reinforces the response just made. The data support this latter.

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F

Burke, J.D. & 59-8267  
W.S. Woolcott (1957)  
Virginia J.Sci., 8(2):113-20  
A comparison of the blood oxygen capacity in the black crappie (Pomoxis nigromaculatus) and the bluegill (Lepomis macrochirus)

SFA 3(3)1850. Capacity determined by Roughton-Scholander microgasometric syringe method.

:sfa

F

Spiecker, D. (1957) 59-8265  
Zool.Jb., 67(2):229-60  
Die Galvanotaxis der Fische und ihre Auslösung auf Grund unmittelbarer Irritabilität der Rumpfmuskulatur (The galvanotaxis of fishes and its origin on the basis of direct irritability of trunk musculature)

SFA 3(3)1846. Electrical field showed that body of fish is a good conductor with a less good conducting membrane in a badly conducting medium. Galvanotaxis in fish rests on stimulation of trunk musculature. To evoke by muscle

Yanagimachi, R. (1957) 59-8268  
Zool.Mag., Tokyo, 66(5):218-21  
(Studies of fertilization in Clupea pallasii - I. Extension of fertilizable life of the unfertilized eggs by means of isotonic Ringer's solution). Ni

SFA 3(3)1852. Unfertilized eggs when exposed to sea water, lose fertilizable capacity in 5 hours. In isotonic Ringer's solution remain fertilizable for 24 hours & fertilization & development proceed normally. Fifty percent sea water can also be used.

:sfa

M

Yanagimachi, R. (1957) 59-8269  
Zool.Mag., Tokyo, 66(5):222-5  
 (Studies of fertilization in Clupea  
pallasii - II. Structure and activity  
 of spermatozoa). Ni

SFA 3(3)1853. Continuation of 59-8268.

M

Onkst, H., J. Jacoby 59-8272  
 & D.G. Scarpelli (1957)  
Proc.Soc.exp.Biol.Med., 96(2):397-9  
 Effect of calcium binding substances  
 on rate and duration of narcosis

SFA 3(3)1856. Alterations of Ca  
 balance were produced in male,  
Lebistes reticulatus, by placing in  
 Ca-free solutions, or by addition of  
 sodium citrate or ethylenediamine  
 tetra-acetate (EDTA). Pentobarbital  
 used to induce narcosis.

:sfa

F

Yanagimachi, R. (1957) 59-8270  
Zool.Mag., Tokyo, 66(5):226-33  
 (Studies of fertilization in Clupea  
pallasii - III. Manner of sperm  
 entrance into the egg). Ni

SFA 3(3)1854. Continuation of 59-8269.

F

Wolf, K. & 59-8273  
 C.E. Dunbar (1957)  
Proc.Soc.exp.Biol.Med., 95(3):455-8  
 Cultivation of adult teleost tissues  
 in vitro

SFA 3(3)1860. Investigation to  
 determine methods whereby tissues  
 from salmonid fishes could be  
 cultivated in commercial media.  
 Tissues from several spp. of trout  
 were grown for over 2 months. Results  
 of comparisons of various components  
 of the media are given.

:sfa

FG

John, K.R. (1957) 59-8271  
Proc.Pa Acad.Sci., 31:77-82  
 Comparative rates of survival of normal  
 and deformed chub, Gila atraria,  
 Girard, in Two Ocean Lake, Teton  
 County, Wyoming

SFA 3(3)1855. A collection of 20,000  
 contained 0.91% individuals with  
 curvature of the vertebral column.

:sfa

F

Adkins, R. & 59-8274  
 P.E. Fields (1957)  
Tech.Fcp.Univ.Wash.Sch.Fish., 33:1-20  
 Conditioning young steelhead trout  
 to colored lights

SFA 3(3)1863. 20 hatchery-reared  
Salmo gairdnerii, approximately 2  
 years old, were conditioned to  
 approach either of 2 filtered equal  
 energy light areas - a red or a green  
 simultaneously presented at opposite  
 ends of a shuttle box discrimination  
 apparatus.

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MF



Murray, A.K. & P.E. Fields (1957)  
Tech.Rep.Univ.Wash.Sch.Fish., 45:1-10  
 Response of steelhead trout (Salmo gairdnerii) to continuous, fixed interval and fixed ratio reinforcement schedules

SFA 3(3)1866. 4 trout were trained to press against a target for food reinforcement. Rates of response under continuous reinforcement were compared to the rates obtained under intermittent reinforcement, & remained uniform.

:sfa

MF

Farris, D.A. (1958) 59-8278  
Dissert.Abstr., 19(2):391  
 Abundance, distribution and mortality of jack mackerel, Trachurus symmetricus, eggs and larvae

SFA 3(3)1874. These population characteristics are compared with those of the sardine & have relevance to the "critical period" concept suggested by Hjort as a cause of fluctuations in the size of adult populations. Basic biological & oceanographic data used were collected on cruises of CCOFI during 1951 to 1954.

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M

Brynildson, O.M. (1958) 59-8276  
Dissert.Abstr., 19(2):389  
 Lime-treatment of brown-stained lakes and their adaptability for trout and largemouth bass

SFA 3(3)1873. Small lakes in northwest Wisconsin were studied limnologically before & after treatment with hydrated lime alone & in combination with phosphorus. Fish populations in 2 of the lakes were removed & one lake was restocked with trout alone & the other with trout & bass in combination. Increase in filamentous green algae & rooted aquatic plants following lime-treatments. Following

Helm, W.T. (1958) 59-8279  
Dissert.Abstr., 19(2):392  
 Some notes on the ecology of panfish in Lake Wingra with special reference to the yellow bass

SFA 3(3)1875. Study of small shallow, alkaline, quite turbid lake within the city limits of Madison, Wisconsin. Carp have been abundant, & a problem for more than 20 years. A carp removal program in 1953, 1954 & 1955 & this study were integrated.

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59-8276  
 (Card 2)  
 phosphorus application was a conspicuous crop of blue-green algae. Holopedium nearly disappeared from plankton soon after lime-treatments began. There was a shift in dominance from Daphnia pulex to D. longispina as treatments continued. Snail, Helisoma sp., increased markedly in lake treated with lime.

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F

Beeton, A.M. (1958) 59-8280  
Dissert.Abstr., 19(3):601  
 The vertical migration of Mysis relicta in Lakes Huron and Michigan

SFA 3(3)1876. Objectives: 1) to establish the vertical migration pattern of a single zooplankton sp.; 2) to determine, from field data, which environmental factors control this behaviour; 3) to determine, through laboratory studies, the way in which these factors exert their influence. Field work conducted aboard research vessel CISCO in 1954 & 1955 in Lake Michigan & in 1956 in Lake Huron.



59-8280

(Card 2)

Clarke-Bumpus samplers, half-meter nets, & one-quarter-meter nets, were towed horizontally, to collect plankton. Data were secured on light penetration, temperature, pH, dissolved oxygen, & specific conductance.

:sfa

F

Kuehne, R.A. (1958)

59-8284

Dissert.Abstr., 19(3):606

Studies on the schooling behaviour of the minnows, Semotilus and Rhinichthys

SFA 3(3)1879. Schooling habits of S. stromaculatus (Mitchill) & R. atratulus (Hermann). An explanation of origin & utility of school behaviour is proposed.

:sfa

F

Chavin, W. (1958)

59-8282

Dissert.Abstr., 19(3):602

The role of the pituitary-adrenal mechanism in the reappearance of melanin and melanophores in the goldfish, Carassius auratus L.

SFA 3(3)1877. Variety of physical & chemical stimuli has been reported to elicit melanogenesis, but morphological & physiological alterations resulting in such pigmentation remain undescribed. This study was undertaken to determine these changes & the mechanism eliciting them.

:sfa

F

Klykov, A.A. (1958)

59-8285

Nauka i Zhizn', Moskva, (1):79

Vazhnaia problema (Important problems)

SFA 3(3)1880. Deals with problems of fish conservation in various rivers where dams constructed for new power-plants hinder seasonal fish migration.

:sfa

F

Kruse, T.E. (1958)

59-8283

Dissert.Abstr., 19(3):605

The grayling of Grebe Lake, Yellowstone National Park, Wyoming

SFA 3(3)1878. Study of certain features of the population fundamental to its management as a recreational resource. Field work was done in the summers of 1952, 1953 & 1954.

:sfa

F

Smirnov, N.N. (1958)

59-8286

Nauka i Zhizn', Moskva, (1):66-7

(Zhizn' v vodoyemakh (Life in water reservoirs))

SFA 3(3)1881. Review of algicide studies. USSR tests concerning application of herbicides for control of algae. Presence of zinc has a detrimental influence on the spawn of fish. "Fertilization" of ponds & certain parts of the sea with various algae in order to bring about an increase in the fish resources have shown satisfactory results.

:sfa

MF

Cole, V.W. (1957) 59-8287  
Industr.Wastes, 2:100-3  
Lime treatment of lake reduces acid  
mine waste pollution

SFA 3(3)1898. Description of use of  
hydrated lime to neutralize pollution  
by acid mine drainage in Lake Alma,  
Ohio.

:sfa

F

West, F.W. & 59-8290  
H. Coll (1957)  
J.Amer.Wat.Wks Ass., 49:1485-92  
Direct spectrophotometric  
determination of chloride ion in  
water

SFA 3(3)1920. Comparison of the method  
with the standard Mohr & mercuric  
nitrate methods. Results given in  
tables & discussed.

:sfa

F

Ives, K.J. (1957) 59-8288  
Wat. & Wat.Engng, 61:387-9  
Control of algae in reservoirs

SFA 3(3)1909. Discusses control of  
growths by elimination of nutrients  
from the water, by removal of river  
plankton from the influent, & by the  
use of algicides. Value of copper  
sulphate, chloramine, chlorine, lime,  
quaternary ammonium compounds, naphtho-  
quinones, activated silver & anti-  
biotics is considered.

:sfa

F

Novysh, V.V. (1957) 59-8291  
Trud.N.-I.Inst.zemn.Magnet.Ionosf.  
Raspr.Rad., (22):225-40

O glubine buksirovaniia kabelei i  
elektrodov elektromagnitnogo izmeri-  
teliia techenii (Limit) (Depth at  
which to haul cables and electrodes of  
the electromagnetic current meter  
(Limit) )

SFA 3(3)1884. Method developed to  
measure the velocities of sea currents  
in which 2 cables are towed by the  
ship. An electrode is placed at the  
end of each cable. Article discusses  
depth of hauling & the distance to be

Griffiths, V.S. & 59-8289  
M.I. Jackman (1957)  
Analyt.chim.acta, 17:603-5  
The Winkler method for dissolved  
oxygen determination

SFA 3(3)1912. Modification of the  
method for determination of dissolved  
oxygen is described, in which the final  
iodine titration is carried out  
potentiometrically, using a glass  
reference electrode & a platinum  
indicator electrode. The method can  
be made automatic.

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59-8291  
(Card 2)  
maintained between the 2 electrodes.  
These 2 factors depend mainly on the  
height of the starting point on board  
ship.

:sfa

MG

Guern, M. (1958) 59-8293  
C.R.Acad.Sci., Paris, 249:1254-6  
Sur les premiers stades de  
développement des oeufs de Cystoseira  
(Fucales) (On the first stages of  
development of the eggs of Cystoseira  
(Fucales) )

Study permits distinction of 2 groups,  
distinguishable also by other  
characteristics of reproduction & of  
vegetative morphology.

FAO:sjh

M

Netherlands. Laws, 59-8296  
Statutes, etc. (1958)  
Staatscourant, Neth., (115):2  
Order No. Vi.2391/Directie v.d.  
Visserijen, issued by the Minister  
of Agric. etc., closing to public  
fishing a certain part of the  
Waddenzee. - 16 June 1958

Mon.legisl.Rep.F.A.O. Comment: for  
purposes of shellfish breeding.

:mlr

MF

Netherlands. Laws, 59-8294  
Statutes, etc. (1958)  
Staatsblad, Neth., 344:705  
Act for the prevention of pollution of  
the ocean by oil (Act on ocean  
pollution by oil). - 9 July 1958  
Mon.legisl.Rep.F.A.O. Comment: Passed  
in connection with the International  
Treaty concluded in London on 12.5.1954.

:mlr

L

Poland. Laws, 59-8297  
Statutes, etc. (1958)  
Dziennik Ustaw, (66):852  
Order by the Minister of Navigation  
and Water Economy amending the order  
of 17 November 1954, Dz.U. No. 53,  
text 267, relative to fisheries  
protection in the Szczecin inlet. -  
4 October 1958

Mon.legisl.Rep.F.A.O. Comment:  
dimensions of fish; eel-fishing  
between 15 April & 15 June; etc.

:mlr

M

Netherlands. Laws, 59-8295  
Statutes, etc. (1958)  
Staatsblad, Neth., 351:717  
State act ratifying the International  
Treaty concluded in London on 12 May  
1954 relative to the prevention of  
pollution of the ocean by oil -  
9 July 1958

Mon.legisl.Rep.F.A.O.

M

U.K. Laws 59-8298  
Statutes, etc. (1958)  
Stat.Instr., U.K., (1895):  
The grey seals protection (Farne  
Islands)(Suspension of close season)  
order, 1958. - 17 November 1958

Mon.legisl.Rep.F.A.O. Comment: There  
shall be no close season for grey  
seals in the Farne Islands during the  
period of twelve months next  
following the making of this order  
made under the Grey Seals Protection  
Act, 1932.

:mlr

M



Western Australia. Laws, 59-8299  
Statutes, etc. (1958)  
Govt Gaz.W.Aust., (88):2  
Western Australian Marine Act, 1948  
(survey and equipment) regulations  
under the Western Australian Marine  
Act, 1948. - 29 September 1958

Mon.legisl.Rep.F.A.O. Comment:  
published in Govt Gaz.W.Aust. on 15.3.50  
& incorporat. amendments thereto  
published in Govt Gaz.W.Aust. on 27.6.52  
& reprinted pursuant to the reprinting  
of regulations acts, 1954. See  
especially Part VI.-Survey & equipment  
of fishing boats, pearling boats &  
whaling boats.

mlr

Western Australia. Laws, 59-8300  
Statutes, etc. (1958)  
Govt Gaz.W.Aust., (88):62  
Regulations governing the manning of  
fishing vessels - under the Western  
Australian Marine Act, 1948,  
regulations governing the manning of  
fishing vessels. - 29 September 1958

Mon.legisl.Rep.F.A.O. Comment:  
Published in Govt Gaz.W.Aust., on  
24th Sept., 1954, & reprinted  
pursuant to sec. 5 of the reprinting  
of regulations act, 1954.

:mlr

M

Finland. Laws, 59-8302  
Statutes, etc. (1958)  
Finlands FörfattnSaml., (312-317):676  
Resolution No. 317 of Ministry of  
Agriculture prohibiting fishing in  
certain waters - 8 July 1958

Mon.legisl.Rep.F.A.O. Comment:  
Prohibits all kinds of fishing in  
Lake Luomus in the commune of  
Utsjoki, North Finland, during the  
period 1958-60.

:mlr

F

Finland. Laws, 59-8303  
Statutes, etc. (1958)  
Finlands FörfattnSaml., (392-401):983  
Resolution No. 398 of the Ministry of  
Agriculture concerning the fishing  
of whitefish in the River Oulanka. -  
22 September 1958

Mon.legisl.Rep.F.A.O. Comment: this  
resolution is issued pursuant to art.  
51 of the fishing act no. 503/51 of  
28.9.1951, & permits the village of  
Liikainon, in the commune of Kuusamo,  
Northern Finland, to fish whitefish as  
an exceptional measure.

:mlr

F

Canada. Laws, 59-8301  
Statutes, etc. (1958)  
Can.Gazette (II), (21):1275-1209  
DCRE/58-428. Décret C.P.1958-1423  
modifiant le règlement de pêche de la  
Colombie-Britannique, en vertu de la  
loi sur les pêcheries (SOR/58-428.  
Order in council P.C.1958-1423 amending  
British Columbia fishery regulations,  
pursuant to the fisheries act) - 16  
October 1958

Mon.legisl.Rep.F.A.O. Comment: amends  
the regulations made on 8 December 1954  
(SOR/54-659) as amended (SOR/58-340).  
Minor changes to S.48, 68, 81 & 94 (new).

:mlr

MF

France. Laws, 59-8304  
Statutes, etc. (1958)  
J.off.Rép.franc., (225):8802  
Décret n° 58-874 relatif à la pêche  
fluviale (Decree no. 58-874  
relative to river fishing) - 16  
September 1958

Mon.legisl.Rep.F.A.O.

F



France. Laws, 59-8305  
 Statutes, etc. (1958)  
J.off.Rép.franc., (225):8806  
 Arrêté portant autorisation de l'emploi  
 de divers filets, engins ou lignes dans  
 certaines eaux de la première  
 catégorie (Order authorizing the  
 use of various nets, gear or lines in  
 certain waters of the first class) -  
 16 September 1958

Mon.legisl.Rep.F.A.O.

F

Iraq. Laws, 59-8308  
 Statutes, etc. (1958)  
Cff.Gaz., Iraq, (10):4  
 Ordinance No. 2 applying act no. 41  
 of 1958 on fisheries protection

Mon.legisl.Rep.F.A.O. Comment:  
 prohibits fishing in numerous  
 localities throughout the year.

:mlr

F

France. Laws, 59-8306  
 Statutes, etc. (1958)  
J.off.Rép.franc., (225):8808  
 Arrêté relatif à la pêche du saumon  
 (Order relative to salmon fishing) -  
 16 September 1958

Mon.legisl.Rep.F.A.O.

MF

Ireland. Laws, 59-8309  
 Statutes, etc. (1958)  
Stat.Instr., Ire., (88)  
 Fishing nets (regulations of mesh)  
 order, 1954 (amendment) order, 1958 -  
 1 April 1958

Mon.legisl.Rep.F.A.O. Comment:  
 Permits, up to 4th April 1961, the use  
 of certain fishing nets having a  
 smaller mesh than that specified in  
 1954.

:mlr

M

France. Laws, 59-8307  
 Statutes, etc. (1958)  
J.off.Rép.franc., (225):8809  
 Arrêté fixant la liste des départements  
 ou les truites et saumons de fontaine  
 peuvent être pêchés à partir d'une  
 longueur de 18 centimètres (Order  
 establishing the list of departments  
 where trout and salmon may be caught  
 over a minimum length of 18 cm) -  
 16 September 1958

Mon.legisl.Rep.F.A.O.

MF

West Pakistan. Laws, 59-8310  
 Statutes, etc. (1959)  
Gaz.W.Pakistan, (864)Part I:504  
 Food and Agriculture Department No.IV/  
 (5)17-SCA-VII-F and A/58. Rules for the  
 protection of fish in the waters of  
 Shikarpur district - 14 October 1958

Mon.legisl.Rep.F.A.O.

F

Philippines. Laws, 59-8311

Statutes, etc. (1958)

Off.Gaz., Philippines, (29):7040

Fisheries administrative order no. 40-3.

Further amending sec. 1 of the fisheries administrative order no. 40, as amended - 8 September 1958

Mon.legisl.Rep.F.A.O. Comment:

Prohibits any person, association or corporation to fish by means of "basnig", "iwag", "saplad" & other kind of fishing gear, in any fishing area of Philippines, with the use of fine-meshed nets &/or sinamy cloth,

Queensland. Laws, 59-8314

Statutes, etc. (1958)

Qd Govt Gaz., (84):1345

An act to consolidate and amend the law of Queensland relating to merchant shipping and for other purposes. S.T.: "The Queensland Marine Act of 1958". - 30 Oct. 1958

Mon.legisl.Rep.F.A.O. Comment:

Affects seamen, passengers, survey of ships, safety, pilotage, control of certain vessels, ports, prevention of water pollution (sec.210), control of explosive in ships, etc.

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59-8311

(Card 2)

except when catching ipon, "alamang", bangus fry, tabics, sinarapan & padas.

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M

France. Laws,

59-8315

Statutes, etc. (1958)

J.off.Rép.franc., (237) 9232

Décret n°58-922 portant publication de la convention internationale pour la prévention de la pollution des eaux de la mer par les hydrocarbures, signée le 12 mai 1954 (Decree no. 58-922 publishing the international convention for the prevention of pollution of the sea by hydrocarbons, signed on 12 May 1954) - 7 October 1958

Mon.legisl.Rep.F.A.O.

I.

Mauritius. Laws, 59-8313

Statutes, etc. (1958)

Leg.Suppl.Govt Gaz.Col.Mauritius, (59): 51

Proclamation no. 12 of 1958. To authorise the use of large nets for fishing at specified places during the period extending from 1st Oct. 1958, to 31st Jan. 1959. - 4 September 1958

Mon.legisl.Rep.F.A.O.

M

Netherlands. Laws,

59-8316

Statutes, etc. (1958)

Staatsblad, Neth., 462:965

Decree relative to application of art.3, paras.1 and 3; art.6, para.1; art.7, para.2 and art.8, para.1 of the act relative to pollution of the ocean by oil - 2 September 1958

Mon.legisl.Rep.F.A.O. Comment: S.T.:

Decree on pollution of the ocean by oil.

:mlr

I.

Colombia. Laws, 59-8317  
Statutes, etc. (1958)  
Diario ofic., Colombia, (29.746):374  
Decreto número 1409 de 1958, por el  
cual se reglamentan los artículos 30,  
31 y 49 del decreto legislativo  
número 0376 de 1957 (Decree  
no. 1409 of 1958 regulating articles  
30, 31 and 49 and para.e of art. 74  
of legislative decree no. 0376 of 1957)-  
31 July 1958

Mon.legisl.Rep.F.A.O. Comment:  
concerns fishing rights of foreign  
vessels, etc.

:mlr

Netherlands. Laws, 59-8320  
Statutes, etc. (1959)  
Staatscourant, Neth., (17):3  
Order No. Vi.100/Directie van de  
Visserijen exempting from the  
prohibitions contained in the  
regulations relative to fishing in  
rivers (Stbl.313/1952), seine fishing  
for smelt in the Leuse, the Waal and  
the secondary rivers of Northern  
Holland - 22 January 1959

Mon.legisl.Rep.F.A.O. Comment: order  
refers to the period until 1.5.1959.

:mlr

MF

Costa Rica. Laws, 59-8318  
Statutes, etc. (1958)  
Gaceta, Costa Rica, (250):3737  
Decreto n° 14 fijando como zona de  
reserva, destinada exclusivamente a la  
pesca deportiva, de consumo doméstico  
y de carácter científico, la sección  
interior del Golfo de Nicoya  
(Decree no. 14 designating the  
interior section of the Gulf of Nicoya  
as a fisheries reserve zone, intended  
for fishing only for purposes of sport,  
domestic consumption or scientific  
research) - 17 October 1958

Mon.legisl.Rep.F.A.O.

M

Union of South Africa. 59-8321  
Laws, Statutes, etc. (1958)  
Govt Gaz., S.Afr., (6145):59  
Dept. of Commerce and Industries -  
No. 1796. Sea fisheries act, 1940 -  
Amendment of regulations - 28 November  
1958

Mon.legisl.Rep.F.A.O. Comment: amends  
the regulations promulgated under the  
said act & published in Govt Notice  
No. 1353 dated 1st July 1955, as  
amended by Govt Notices Nos 1781  
dated 9th September 1955, 135 dated  
27 January 1956, 217 dated 15 February  
1956, 1530 dated 24 August 1956, 2313  
dated 14 December 1956, 1217 dated

Netherlands. Laws, 59-8319  
Statutes, etc. (1959)  
Staatscourant, Neth., (17):3  
Order Nr.Vi.99/Directie van de  
Visserijen exempting from the  
prohibitions contained in the  
regulations relative to fishing in  
rivers (Stbls.313/1952), drift-net  
fishing for smelt in the Meuse, the  
Waal and the secondary rivers of  
Northern Holland - 22 January 1959

Mon.legisl.Rep.F.A.O. Comment: the  
order refers to the period until  
1.5.1959.

:mlr

MF

59-8321  
(Card 2)  
16 August 1957, 1556 dated 11 October  
1957, 43 dated 10 January 1958,  
454 dated 28 March 1958, & 684 dated  
16 May 1958, to the extent set out  
in the schedule hereto.

:mlr

M



New South Wales. Laws, 59-8323  
Statutes, etc. (1958)  
Govt Gaz.N.S.W., (122):3720  
Proclamation under the fisheries and  
oyster farms act, 1935-1957 -  
19 November 1958

Mon.legisl.Rep.F.A.O. Comment:  
prohibits the taking of prawns in  
Lake Illawarra by the method of  
"running the net" described in the  
schedule except by a crew of not less  
than 2 licensed fishermen, for a  
period of 5 years from the 15th  
April 1959.

:mlr

MF

Canada. Laws, 59-8326  
Statutes, etc. (1958)  
Can.Gazette (II), 92(24):1413, 1483  
DORS/58-487. Loi sur les pêcheries.  
Règlement de pêche des territoires du  
nord-ouest - Modification. C.P. 1958-  
1662 (SOR/58-487. Fisheries act.  
Territories fishery  
regulations, amended. P.C. 1958-1662)  
- 12 December 1958

Mon.legisl.Rep.F.A.O. Comment: amends  
the regulations of 28th October 1954  
[SOR/54-491] as amended [SOR/58-196]-  
new version of S.1C(3) a. (4):size  
of mesh.

:mlr

F

Western Australia. Laws, 59-8324  
Statutes, etc. (1958)  
Govt Gaz.W.Aust., (101):3157  
Proclamation - Fisheries act, 1905-  
1956 - 26 November 1958

Mon.legisl.Rep.F.A.O. Comment:  
prohibits the taking by any means  
whatsoever of the fish known as or  
called "crayfish" in all Western  
Australian waters lying between 30th  
& 33rd parallels of south latitude  
from the first day of September to the  
14th day of November in each & every  
year. Revokes the proclamation dated  
3/11/54.

:mlr

M

Chile, Laws, 59-8327  
Statutes, etc. (1958)  
Diario ofic., Chile, (24.231):2330  
Decreto n°1.178 designando una  
comisión que tendrá por misión el  
estudio de los problemas derivados de  
la aplicación del decreto número 22,  
de 1951 (Decree no. 1178  
appointing a commission entrusted  
with the study of problems arising  
out of application of decree no. 22  
of 1951) - 19 December 1958

Mon.legisl.Rep.F.A.O. Comment: decree  
in question prohibited trawling  
within 3 miles of the coasts of the

Canada. Laws, 59-8325  
Statutes, etc. (1958)  
Can.Gazette (II), 92(24):1412, 1482  
DORS/58-486. Loi sur les pêcheries.  
Règlement de pêche de la Nouvelle-  
Écosse - Modification. C.P. 1958-1661  
(SOR/58-486. Fisheries act. Nova  
Scotia fishery regulations, amended.  
P.C. 1958-1661) - 12 December 1958

Mon.legisl.Rep.F.A.O. Comment: amends  
the regulations of 31st December 1954  
[SOR/54-728], as amended [SOR/58-181]-  
revokes S.3(6), (7)a. (8).

:mlr

M

59-8327  
(Card 2)  
provinces of Concepcion & Arauco,  
for purposes of permitting the  
breeding of fish spp.

:mlr

M



Ireland. Laws, 59-8329

Statutes, etc. (1958)

Stat.Instr., Ire., (213)

Fisheries (amend.) act, 1958

(commencement) order, 1958 - 18

October 1958

Mon.legisl.Rep.F.A.C. Comment: as from 17th November 1958, persons fishing for oysters must, under penalty, hold a licence issued by the board of conservators for the area, & as from 1st January 1959, persons dealing in or exporting rainbow trout are required to be licensed under the fisheries acts.

:mlr

M

Peru. Laws, 59-8332

Statutes, etc. (1958)

Peruano, (5299):1

Decreto supremo n° 012. Normas para la pesca comercial de la anchoveta (Supreme decree no. 012 regulating commercial anchovy fishing) -

5 December 1958

Mon.legisl.Rep.F.A.C.

M

Netherlands. Laws, 59-8330

Statutes, etc. (1958)

Staatsblad, Neth., 523:1063

Decree amending special regulations governing fisheries III, IV and V published in Staatsblad 315 of 1932 - 12 November 1958

Mon.legisl.Rep.F.A.C.

:mlr

M

Ireland. Laws, 59-8333

Statutes, etc. (1958)

Stat.Instr., Ire., (165)

Oil pollution of the sea act, 1956 (commencement)(No.2) order, 1958 - 28 July 1958

Mon.legisl.Rep.F.A.C. Comment: this order brings into operation those provisions of the oil pollution of the sea act, 1956, which prohibit the discharge from Irish ships of certain oils within the sea area specified in parts III & IV of the schedule of the act.

:mlr

M

Peru. Laws, 59-8331

Statutes, etc. (1958)

Peruano, (5286):1

Peruano, (5300):1

Decreto supremo n° 11. Queda prohibida la caza e industrialización de lobos marinos en el litoral peruano (Supreme decree no. 11 prohibiting hunting and processing of seals (Otaria flavescens and Arctocephalus australis) on the Peruvian coast) - 19 November 1958

Mon.legisl.Rep.F.A.C. Comment: prohibition to remain in force until 1 January 1962.

:mlr

M

New South Wales, Laws 59-8334

Statutes, etc. (1958)

Govt Gaz.N.S.W., (126):3914

Regulations under the fisheries and oyster farms act, 1935-1957 - 19 December 1958

Mon.legisl.Rep.F.A.C. Comment: minor amendments of the principal regulations affecting raw & cooked prawns.

:mlr

M

Canada. Laws, 59-8335  
 Statutes, etc. (1959)  
Can. Gazette (II), 93(1):21  
 DCRS/59-17. Loi sur les pêcheries.  
 Propagation du poisson dans la passe  
 Conway, comté de Prince, I.P.-E.:  
 certaines eaux mises à part  
 (SOR/59-17. Fisheries act. Propagation  
 of fish in Conway Narrows, Prince  
 County, P.E.I., certain waters  
 thereof set apart) - 23 December 1959

Mon.legisl.Rep.F.A.O.

Iraq. Laws, 59-8338  
 Statutes, etc. (1959)  
Min. Decree, (82):3  
 Act no. 71 (1958) relative to Iraqi  
 fisheries in frontier zones  
Mon.legisl.Rep.F.A.O. Comment: also  
 delimits rights to air space & to the  
 sea bed in the areas in question,  
 in accordance with international  
 agreements.

:mlr

Finland. Laws, 59-8336  
 Statutes, etc. (1958)  
Finlands FörfattnSaml., (411-420):1011  
 Resolution no. 418 of the Ministry  
 of Agriculture relative to the  
 marketing of undersized white-fish  
 caught in Lake Inari - 9 October 1958

Mon.legisl.Rep.F.A.O. Comment:  
 According to this resolution the  
 white-fish variety (Coregonus  
oxyrrhyncus), regarding the catching  
 of which special stipulations are in  
 force, may be caught during October &  
 November in the communes of Inari,  
 Utsjoki & Enontekiö, North Finland,

U.S. Laws, 59-8339  
 Statutes, etc. (1959)  
Fed.Reg.nat.Arch.U.S., 24(23):733  
 Title 50 - Wildlife - Chapt.I - Fish  
 and Wildlife Service, Dept. of the  
 Interior - Subchapt.I - Northwest  
 Atlantic commercial fisheries - Part  
 155 - Haddock and cod fisheries -  
 30 January 1959

Mon.legisl.Rep.F.A.O. Comment: A  
 revision of the regulations under  
 Part 155 is necessary to carry out  
 the purposes & objectives of the  
 international convention for the

59-8336  
 (Card 2)  
 & may be marketed outside these  
 communes, even if below regulation  
 size, provided that such fish is  
 marked in accordance with the  
 stipulations contained in para. 89 of  
 the fishery act.

59-8339  
 (Card 2)  
 northwest Atlantic fisheries & the  
 act of 1950.

:mlr

F

:mlr

M

Argentina. Laws, 59-8341  
 Statutes, etc. (1959)  
Bol. ofic., Argentina, (18.835):2  
 Resolución n°932. Redúcese la distancia  
 para el uso de redes de arrastre  
 remolcadas por embarcaciones de  
 cualquier clase (Resolution no.932.  
 Reduces the distance for use of  
 trawl nets towed by any kind of boat) -  
 21 October 1958

Mon.legisl.Rep.F.A.O.

M

Canada. Laws, 59-8344  
 Statutes, etc. (1959)  
Can.Gazette, (4):88, 92  
 DORS/59-50. Décret C.P.1959-155  
 modifiant le règlement de pêche de  
 l'Ontario, en vertu de la loi sur les  
 pêcheries (SOR/59-50. Order in  
 council P.C.1959-155 to amend the  
 Ontario fishery regulations, pursuant  
 to the fisheries act) - 13 February  
 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
 the regulations P.C.1954-160 (SOR/54-  
 36), as amended (SOR/59-22). Revokes  
 & substitutes subsec.(5) of sections  
 4 & 14.

:mlr

Western Australia. Laws, 59-8342  
 Statutes, etc. (1959)  
Govt Gaz.W.Aust., (13):409  
 Proclamation under the fisheries act,  
 1905-1956 - 11 February 1959

Mon.legisl.Rep.F.A.O. Comment: Murray  
 River, incl. the tributaries thereof,  
 shall be closed until January 31, 1964,  
 against the use of prawn nets, other  
 than dip nets held in the hand &  
 having a diameter of not more than  
 2 feet.

:mlr

MF

Chile, Laws, 59-8345  
 Statutes, etc. (1959)  
Diario ofic., Chile, (24.301):470  
 Decreto n°185. Establece veda por  
 cinco años para la especie denominada  
 choro (Mytilus chorus) (Decree  
 no. 185 establishing a close season  
 for five years in respect of the  
 mollusc species Mytilus chorus) -  
 6 March 1959

Mon.legisl.Rep.F.A.O.

II

Canada. Laws, 59-8343  
 Statutes, etc. (1959)  
Can.Gazette (II), (2):26  
 DORS/59-22. Décret C.P. 1959-13  
 modifiant les règlements de pêche de  
 l'Ontario, en vertu de la loi sur les  
 pêcheries (SOR/59-22. Order in  
 council P.C. 1959-13 to amend the  
 Ontario fishery regulations, pursuant  
 to the fisheries act) - 9 January 1959

Mon.legisl.Rep.F.A.O. Comment: affects  
 ss.2,3,4,5,41,46,65,69,88,93,94 & 95,  
 concerning in particular netting  
 regulations - Amends the regulations  
 of 3.2.1954 (SOR/54-36), as amended  
 (SOR/58-76).

:mlr

M

Ireland. Laws, 59-8346  
 Statutes, etc. (1959)  
Iris Oifigiúil, (27):344  
 Foyle Fisheries Commission. Foyle  
 Area (close season) regulations,  
 1959 - 24 March 1959

Mon.legisl.Rep.F.A.O. Comment: the  
 annual close season in the Foyle Area  
 shall be the period beginning on 1st  
 September & ending on 30th day of  
 April next following, both days incl.

:mlr

MF



Spain. Laws, 59-8347  
 Statutes, etc. (1959)  
Bol. ofic. Estado, Spain, (39):2066  
Resolución de la Dirección General  
de Montes, Caza y Pesca Fluvial por la  
que se disponen periodos hábiles para  
la pesca de salmónidos durante el año  
1959 (Resolution by the General  
 Directorate of Forestry, Hunting and  
 River Fishing assigning open seasons  
 for salmonids (salmon and trout)  
 fishing during 1959) - 28 January 1959

Mon.legisl.Rep.F.A.O.

MF

Queensland.. Laws, 59-8350  
 Statutes, etc. (1959)  
Qd Govt Gaz., (79):1573  
Order in council made under the  
fisheries act of 1957 - 12 March 1959

Mon.legisl.Rep.F.A.O. Comment:  
 repeals the order in council made  
 under the fish and oyster act of 1914  
 dated 23.12.1926, & all orders in  
 council issued in amendment thereof;  
 & alters the third schedule to the  
 fisheries act of 1957 by inserting in  
 lieu thereof the fish & measurements  
 as set out in the schedule hereto: it  
 shall be unlawful for any person to

Spain. Laws, 59-8348  
 Statutes, etc. (1959)  
Bol. ofic. Estado, Spain, (41):2825  
Orden por la que se establece la veda  
de la sardina en las regiones  
Cantábrica y Noroeste (Order  
 establishing a close season for sardine  
 fishing in the Cantabrian and North  
 West regions) - 13 February 1959

Mon.legisl.Rep.F.A.O.

I

59-8350  
 (Card 2)  
 take, to have in possession, to have  
 on any premises or vessel or to sell  
 fish of any of the species mentioned  
 therein of a less measurement than  
 the measurement set opposite the name  
 of such fish.

:mlr

M

Mexico. Laws, 59-8349  
 Statutes, etc. (1959)  
Diario ofic., México, (20):10  
Acuerdo que crea la comisión técnica  
Mexicana para la prevención de la  
polución de las aguas del mar por  
hidrocarburos (Resolution  
 establishing the Mexican technical  
 committee for prevention of pollution  
 of sea water by hydrocarbons) -  
 9 January 1959

Mon.legisl.Rep.F.A.O.

21

Canada. Laws, 59-8352  
 Statutes, etc. (1959)  
Can.Gazette (II), (5):193, 182  
DCRS/59-67. Modifications à la  
limitation de la quantité de poisson  
blanc et de truite pêchée dans le  
Grand Lac des Esclaves, en vertu de  
la loi sur les pêcheries (SCR/59-  
 67. Whitefish and trout, Great Slave  
 Lake, quota of catch amended,  
 pursuant the fisheries act) -  
 12 February 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
 order SCR/55-412 of 27.10.1955.

:mlr

F

Chile. Laws, 59-8353  
Statutes, etc. (1959)  
Diario ofic., Chile, (24.311):555  
Decreto número 200 estableciendo veda  
indefinida para las especies  
salmonídeas en todo el país  
(Decree no. 200 fixing an indefinite  
close season throughout the country  
for fish of the Salmonidae family) -  
11 March 1959

Mon.legisl.Rep.F.A.O.

F

Uruguay. Laws, 59-8356  
Statutes, etc. (1959)  
Diario ofic., Uruguay, (15.613):426-A  
Decreto creando y reglamentando un  
contralor sanitario a cargo del  
Servicio Oceanográfico y de Pesca  
(Decree establishing and regulating a  
sanitary control department in the  
Oceanographic and Fisheries Service) -  
11 December 1958

Mon.legisl.Rep.F.A.O.

East Pakistan. Laws, 59-8354  
Statutes, etc. (1959)  
Dacca Gaz., Part IIIA:355  
The East Pakistan ordinance no. XXIV  
of 1959. The East Pakistan Government  
fisheries (protection) ordinance,  
1959 - 20 March 1959

Mon.legisl.Rep.F.A.O.

M

Czechoslovakia. Laws, 59-8357  
Statutes, etc. (1959)  
Úřední List, (8):128  
Order of Ministry of Agriculture and  
Forest Economy establishing basic  
conditions relative to delivery of  
freshwater fish, young fish, fish  
spawn, and breed-fish - 15 January  
1959

Mon.legisl.Rep.F.A.O. Comment: refers  
to categories of marketable fish & is  
accompanied by an annexe specifying  
coefficients.

:mlr

F

Union of South Africa. 59-8355  
Laws, Statutes, etc. (1959)  
Govt Gaz., S.Afr., (6196):13  
Govt Notice no. 474. Whaling seasons  
for land stations, 1959 - 26 March  
1959

Mon.legisl.Rep.F.A.O. Comment:  
approves periods during which whale  
catchers attached to land stations may  
be used for purpose of killing or  
attempting to kill sperm whales &  
baleen whales, incl. minke whales.

:mlr

Canada. Laws, 59-8358  
Statutes, etc. (1959)  
Can.Gazette (II), (6):187, 197  
DORS/59-71. Décret C.P.1959-254  
modifiant le règlement de chasse à la  
baleine, en vertu de la loi sur la  
convention concernant la chasse à la  
baleine (SCR/59-71. Order in  
council P.C.1959-254 to amend the  
whaling regulations, pursuant to the  
whaling convention act) - 5 March 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
regulations of 18.11.1954 (SCR/54-540)  
as amended (SCR/58-37). Affects SS.8(3)  
10A(1) & 18(1).

:mlr

Canada. Laws, 59-8359  
 Statutes, etc. (1959)  
Can.Gazette (II), (6):188, 198  
 DORS/59-72. Décret C.P.1959-255.  
 Règlement de la Commission Internationale des Pêcheries de Flétan du Pacifique en vertu de la loi sur la convention relative à la pêche du flétan dans le Pacifique Septentrional (SOR/59-72. Order in Council P.C.1959-255. International Pacific Halibut Commission regulations) - 5 March 1959  
Mon.legisl.Rep.F.A.O.

Canada, Laws, 59-8362  
 Statutes, etc. (1959)  
Can.Gazette (II), (8):294, 310  
 DORS/59-113. Décret C.P.1959-424  
 modifiant le règlement de pêche du Québec, en vertu de la loi sur les pêcheries (SOR/59-113. Order in Council P.C.1959-424 to amend the Quebec fishery regulations, pursuant to the fisheries act) - 9 April 1959  
Mon.legisl.Rep.F.A.O. Comment: amends regulations of 22.12.1954 (SCR/54-712), as amended 59-0652. Affects ss. 1, 15, 16, 29, 37, 57 & 66: miscellaneous changes as to restrictions.

:mlr

M

Netherlands. Laws, 59-8360  
 Statutes, etc. (1959)  
Staatscourant, (34):5  
 Order No.Vi.309/Directie van der Visserijen, issued by the Minister of Agriculture, Fisheries, etc., specifying exemption in connection with the period for the close season for tench - 14 February 1959

Mon.legisl.Rep.F.A.O. Comment: exempts for 1959 tench fishing from the prohibitive restrictions contained in fisheries regulations.

:mlr

F

Union of South Africa. 59-8363  
 Laws, Statutes, etc. (1959)  
Govt Gaz., S.Afr., (6208):12  
 Govt Notice no. 568. Whaling seasons for land stations, 1959. Sea fisheries act, 1940 - 24 April 1959

Mon.legisl.Rep.F.A.O. Comment: approves the periods during which whale catchers attached to land stations may be used for the purpose of killing or attempting to kill sperm whales & baleen whales, incl. minke whales. Govt. Notice no. 474 of 26 March 1959 is hereby withdrawn, 59-8355.

:mlr

M

Canada. Laws, 59-8361  
 Statutes, etc. (1959)  
Can.Gazette (II), (8):293, 309  
 DORS/59-112. Décret C.P.1959-423  
 modifiant le règlement de pêche du homard, en vertu de la loi sur les pêcheries (SOR/59-112. Order in Council P.C.1959-423 to amend the lobster fishery regulations, pursuant to the fisheries act) - 9 April 1959

Mon.legisl.Rep.F.A.O. Comment: amends 59-0457 as amended (SOR/58-328). Affects ss.3, 8 & items 5 & 10 of the schedule.

:mlr

M

U.K. Laws, 59-8364  
 Statutes, etc. (1959)  
Chapt. 27, 7 & 8 Eliz. 2  
 Sea fisheries (compensation) (Scotland) act, 1959. An act to make further provision as to compensation for any loss or damage occasioned to fishing nets or gear detained by sea fishery officers in Scotland - 30 April 1959

Mon.legisl.Rep.F.A.O.

M



Belgium. Laws, 59-8365

Statutes, etc. (1959)

Monit.belge, (36):736

Arrêté ministériel instituant une commission de recherche scientifique pour la pêche maritime (Ministerial order establishing a commission on scientific research into maritime fisheries) - 15 January 1959

Mon.legisl.Rep.F.A.O.

M

:mlr

M

of the expenses incurred in connection with collecting fees for fishing. Recipients are required to submit a report & accounts regarding the use of these funds.

Mexico. Laws, 59-8366

Statutes, etc. (1959)

Diario ofic., México, (33):1

Decreto promulgando el protocolo a la convención internacional para la reglamentación de la caza de la ballena, firmada en Washington con fecha 2 de diciembre de 1946

(Decree promulgating the protocol to the international convention for the regulation of whaling signed in Washington on 2 December 1946) - 10 March 1959

Mon.legisl.Rep.F.A.O. Comment: this protocol was signed in Washington 19 November 1956.

:mlr

M

Sweden. Laws, 59-8369

Statutes, etc. (1958)

Svensk FörfSamml., (89-90):162

Royal order No. 89 amending article 1 of the order No. 699 of 21 November 1952 specifying certain provisions relative to the size of the mesh in fishing nets and the minimum dimensions of fish etc. - 7 March 1958

Mon.legisl.Rep.F.A.O.

M

Finland. Laws, 59-8367

Statutes, etc. (1959)

Finlands FörfattnSaml., (104-111):314

Resolution no. 110 amending the decree relative to the coming into force and application of the fisheries act - 27 February 1959

Mon.legisl.Rep.F.A.O. Comment: funds appropriated under the state budget according to art. 101 of the fishing act shall be used for: 1) information activities; 2) increase of fish population; 3) research & experimentation in the field of fisheries & 4) payment

U.S. Laws, 59-8370

Statutes, etc. (1959)

Fed.Reg.nat.Arch.U.S., 24(136):5645

CFR 50 - Chapt. III - Subchapt. B: International Whaling Commission - Part 351: whaling - 7 July 1959

Mon.legisl.Rep.F.A.O. Comment: amendments to the whaling regulations made by the commission at its tenth meeting at The Hague 1958 - minor changes.

:mlr

M

U.S. 59-8371  
Treaties, etc. (1959)  
Bull. Dep. State U.S., (1034):566  
Convention between the United States  
of America and Cuba for the  
conservation of shrimp - 15 April 1958  
Mon. legisl. Rep. F.A.O.

M

Netherlands. Laws, 59-8374  
Statutes, etc. (1959)  
Staatscourant, (91):5  
Order No. Vi. 1771/Directie v.d.  
Visserijen issued by the Minister of  
Agriculture, Fisheries, etc. specifying  
various exemptions in regard to the  
close season for fishing -  
13 May 1959  
Mon. legisl. Rep. F.A.O.

M

Denmark. Laws, 59-8372  
Statutes, etc. (1959)  
Lovtidende A., (10):567  
Ordinance No. 130 relative to the  
fisheries police in the seas  
surrounding the Faroe Islands -  
27 April 1959  
Mon. legisl. Rep. F.A.O.

I

Canada. Laws, 59-8375  
Statutes, etc. (1959)  
Can. Gazette (II), (13):508, 49C  
DCRS/59-207. Décret C.P. 1959-778  
modifiant le règlement sur  
l'inspection des petits bateaux de  
pêche, en vertu de la loi sur la  
marine marchande du Canada  
(SCR/59-207. Order in council P.C.  
1959-778 to amend the small fishing  
vessel inspection regulations,  
pursuant to the Canada shipping act) -  
18 June 1959

Mon. legisl. Rep. F.A.O. Comment: amends  
the regulations (SCR/56-51), as

Denmark. Laws, 59-8373  
Statutes, etc. (1959)  
Lovtidende A., (10):567  
Ordinance No. 131 relative to the  
fisheries police in the seas  
surrounding the Faroe Islands -  
27 April 1959  
Mon. legisl. Rep. F.A.O.

M

59-8375  
(Card 2)  
amended, 59-0514. Affects ss. 2, 16,  
17 & 27.

smlr

M

Ghana. Laws, 59-8377  
Statutes, etc. (1959)  
Govt Gaz., Ghana, Suppl. (43):171.  
The fisheries ordinance (cap. 165).  
The fisheries (amendment)  
regulations, 1959 - 13 May 1959

Mon.legisl.Rep.F.A.C. Comment: amends  
the fisheries regulations 1946 by  
adding after regulation 8 new  
regulations relating to: minimum  
requirements of mesh, lights &  
equipment of vessels.

:mlr

M

Canada. Laws, 59-8380  
Statutes, etc. (1959)  
Can.Gazette (II), (11):401, 383  
DORS/59-164. Décret C.P. 1959-624  
modifiant le règlement de pêche du  
Nouveau Brunswick, en vertu de la loi  
sur les pêcheries (SCR/59-164.  
Order in council P.C. 1959-624 to  
amend the New Brunswick fishery  
regulations, pursuant to the  
fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O. Comment: minor  
changes in s. 74.

:mlr

M

Canada. Laws, 59-8378  
Statutes, etc. (1959)  
Can.Gazette (II), (11):395, 377  
DORS/59-162. Décret C.P. 1959-622  
modifiant le règlement de Terre-Neuve  
concernant la pêche à la morue, en  
vertu de la loi sur les pêcheries  
(SOR/59-162. Order in council P.C.  
1959-622 to amend the Newfoundland  
codfishery regulations, pursuant  
to the fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O.

M

Canada. Laws, 59-8381  
Statutes, etc. (1959)  
Can.Gazette (II), (12):442, 424  
DORS/ 59-183. Décret C.P. 1959-683:  
règlement de 1959 sur la pêche des  
saumons sockeye et rose du Fraser, en  
vertu de la loi sur les pêcheries  
(SOR/59-183. Order in council P.C.  
1959-683: Fraser River sockeye and  
pink salmon fishery regulations, 1959,  
pursuant to the fisheries act) -  
4 June 1959

Mon.legisl.Rep.F.A.O.

MF

Canada. Laws, 59-8379  
Statutes, etc. (1959)  
Can.Gazette (II), (11):397, 379  
DORS/59-163. Décret C.P. 1959-623  
modifiant le règlement de Terre-Neuve  
sur la pêche et la mise en  
conservation du saumon, en vertu de la  
loi sur les pêcheries (SOR/59-163.  
Order in council P.C. 1959-623 to  
amend the Newfoundland salmon fishery  
and packing regulations, pursuant to  
the fisheries act) - 21 May 1959

Mon.legisl.Rep.F.A.O. Comment: various  
changes in the local regulations on  
salmon.

:mlr

MF

Canada. Laws, 59-8382  
Statutes, etc. (1959)  
Can.Gazette (II), (12):475, 457  
DORS/59-190. Décret C.P. 1959-723  
modifiant le règlement de pêche de la  
Colombie Britannique, en vertu de la  
loi sur les pêcheries (SCR/59-190.  
Order in council P.C. 1959-723 to amend  
amend the British Columbia fishery  
regulations, pursuant to the fisheries  
act) - 11 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
the regulation of 8 Dec. 1954 (SOR/54-  
659), as amended (SCR/58-428: new  
revision of ss.75-94, local provisions.

:mlr

MF



Canada. Laws, 59-8383  
Statutes (1959)  
Can.Gazette (II), (12):483, 465  
DORS/59-191. Décret C.P. 1959-724:  
règlement pour la protection des  
phoques, fait en vertu de la loi sur  
les pêcheries (SOR/59-191. Order  
in council P.C. 1959-724: seal  
protection regulations, pursuant to the  
fisheries act) - 11 June 1959

Mon.legisl.Rep.F.A.O. Comment: revokes  
& replaces the regulations of 18  
December 1949 (SOR/49-417).

:mlr

M

Canada. Laws, 59-8386  
Statutes, etc. (1959)  
Can.Gazette (II), (13):534, 514  
DORS/59-214. Décret C.F. 1959-807:  
règlement pour la protection des  
morses, fait en vertu de la loi sur  
les pêcheries (SOR/59-214. Order  
in council P.C. 1959-807: walrus  
protection regulations, made under the  
fisheries act) - 25 June 1959

Mon.legisl.Rep.F.A.O. Comment: in  
substitution for rules issued under  
SOR/49-387.

:mlr

M

Canada. Laws, 59-8384  
Statutes, etc. (1959)  
Can.Gazette (II), (13):497, 479  
DORS/59-203. Décret C.P. 1959-762  
modifiant le règlement de pêche du  
Nouveau Brunswick, en vertu de la loi  
sur les pêcheries (SOR/59-203. Order  
in council P.C. 1959-762 to amend the  
New Brunswick fishery regulations,  
pursuant to the fisheries act) -  
18 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
reg. (SOR/54-657), as amended, 59-8380.

:mlr

M

Canada. Laws, 59-8387  
Statutes, etc. (1959)  
Can.Gazette (II), (14):557, 537  
DORS/59-227. Décret C.P. 1959-847  
modifiant le règlement de pêche du  
Nouveau Brunswick, en vertu de la  
loi sur les pêcheries (SOR/59-227.  
Order in council P.C. 1959-847 to  
amend the New Brunswick fishery  
regulations, pursuant to the fisheries  
act) - 3 July 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
regulation (SOR/54-657), as amended  
59-8394.

:mlr

M

Canada. Laws, 59-8385  
Statutes, etc. (1959)  
Can.Gazette (II), (13):498, 480  
DORS/59-204. Décret C.P. 1959-763  
modifiant le règlement de pêche du  
Manitoba, en vertu de la loi sur les  
pêcheries (SOR/59-204. Order in  
council P.C. 1959-763 to amend the  
Manitoba fishery regulations, pursuant  
to the fisheries act) - 18 June 1959

Mon.legisl.Rep.F.A.O. Comment: amends  
regulations (SOR/54-365), as amended  
(SOR/58-250. Affect ss. 2 & 4).

:mlr

F

Canada. Laws, 59-8388  
Statutes, etc. (1959)  
Can.Gazette (II), (14):559, 539  
DORS/59-229. Décret C.P. 1959-860  
modifiant le règlement de pêche de la  
Nouvelle Ecosse, en vertu de la loi  
sur les pêcheries (SOR/59-229.  
Order in council P.C. 1959-860 to  
amend the Nova Scotia regulations,  
pursuant to the fisheries act) -  
9 July 1959

Mon.legisl.Rep.F.A.O. Comment: amend  
regulations (SOR/54-728), as amended  
(SOR/59-7).

:mlr

M

France. Laws, 59-8389  
Statutes, etc. (1959)  
J.off.Rép.franc., (89):4213  
Arrêté relatif à la pêche au saumon  
dans certains cours d'eau du  
territoire français (Order relative  
to salmon fishing in certain water-  
courses or sections thereof in French  
territory) - 6 April 1959.

Mon.legisl.Rep.F.A.O.

:mlr

MT

Morocco. Laws, 59-8392  
Statutes, etc. (1959)  
Bull.off.Emp.Chérif., (2419):444  
Arrêté du sous-secrétaire d'Etat au  
commerce, à l'industrie, à l'artisanat  
et à la marine marchande relatif à  
l'interdiction temporaire de la pêche  
des homards et des langoustes  
(Order of the Undersecretary of State  
for trade, industry, handicrafts and  
the merchant navy relative to the  
temporary prohibition of lobster and  
crayfish fisheries) - 28 February 1959

Mon.legisl.Rep.F.A.C.

M

Honduras. Laws, 59-8390  
Statutes, etc. (1959)  
Gaceta, Honduras, (16.807):1  
Decree no. 154 containing the fisheries  
act - 19 May 1959

Mon.legisl.Rep.F.A.C.

:mlr

M

Philippines. Laws, 59-8393  
Statutes, etc. (1959)  
Off.Gaz., Philippines, 55(18):3271  
Fisheries administrative order No. 3-7.  
Further amending paragraph (b) of  
section 3 of FAO No. 3 as amended -  
13 April 1959

Mon.legisl.Rep.F.A.O. Comment: refers  
to fishing in Laguna Bay during the  
period from 1 January to 31 December  
1959, both dates inclusive.

:mlr

M

Morocco. Laws, 59-8391  
Statutes, etc. (1959)  
Bull.off.Emp.Chérif., (2419):440  
Arrêté du ministre de l'agriculture  
portant réglementation annuelle de la  
pêche dans les eaux continentales et  
fixant les périodes spéciales d'inter-  
diction et les réserves de pêche pendant  
la saison 1959-1960 (Order of the  
Minister of Agriculture providing for  
annual regulation of fisheries in  
continental waters and fixing the special  
periods of prohibition and fish reserves  
during the 1959-60 season) - 18 Feb.1959

Mon.legisl.Rep.F.A.O.

M

Spain. Laws, 59-8394  
Statutes, etc. (1959)  
Bol.ofic.Estado, Spain, (110):6760  
Resolución de la Dirección General de  
Montes, Caza y Pesca Fluvial por la que  
se establece período de veda para la  
pesca del "black-bass" y dimensiones  
mínimas para la captura de ejemplares  
de esta especie (Resolution of  
the Directorate General for Forests,  
Hunting and River Fishing establishing  
a close season for "black-bass" fishing  
and minimum dimensions allowed for fish  
caught of this species) - 28 April 1959

Mon.legisl.Rep.F.A.C.

F

U.K. Laws, 59-8395  
Statutes, etc. (1959)  
Stat.Instr., U.K., (1333)  
The sea-fishing industry (fishing nets)  
(variation) order, 1959 - 29 July 1959

Mon.legisl.Rep.F.A.O. Comment: provides  
that during the period commencing with  
6 August 1959, & ending with 4 April  
1961, a rectangular piece of netting  
may also be attached to the upperside of  
a cod-end of a net having a mesh of  
110 m.m. or more if the netting  
satisfies certain conditions as to size  
of mesh & method of attachment.

:mlr

M

U.S. Laws, 59-8398  
Statutes, etc. (1959)  
Fed.Reg.nat.Arch.U.S., 24(123):5151  
CFR 50 - Chapt. I - Subchapt. F:  
Alaska commercial fisheries - Part 108:  
Kodiak area - Increase in quota for  
razor clams - 22 June 1959

Mon.legisl.Rep.F.A.O. Comment:  
increased utilisation during the  
current season is desirable both from  
economic & biological standpoints.

:mlr

M

U.S. Laws, 59-8396  
Statutes, etc. (1959)  
Fed.Reg.nat.Arch.U.S., (106):4378  
CFR 50 - Chapt. I - Subchapt. F: Alaska  
commercial fisheries - Part 101:  
definitions - Part 104: Bristol Bay area  
- Part 115: Southeastern Alaska area.  
Miscellaneous amendments - 28 May 1959

Mon.legisl.Rep.F.A.O. Comment: salmon  
fishing conditions.

:mlr

M

Sweden. Laws, 59-8399  
Statutes, etc. (1959)  
Svensk FörfSamml., (6)  
Royal order No. 6 amending act 12 of  
the regulation No. 269 of 2 June 1950  
for state-aided training activities in  
the fisheries field - 16 January 1959

Mon.legisl.Rep.F.A.O.

M

U.S. Laws, 59-8397  
Statutes, etc. (1959)  
Fed.Reg.nat.Arch.U.S., 24(112):4663  
CFR 50 - Chapt. I - Subchapt. F: Alaska  
commercial fisheries. Miscellaneous  
amendments to subchapter - 8 June 1959

Mon.legisl.Rep.F.A.O. Comment: to allow  
purse seines and drift nets to fish on  
alternate days.

:mlr

M

U.K. Laws, 59-8400  
Statutes, etc. (1959)  
C.L.S.A. 1959, Part 3, Cha.27(7a.Eliz.2)  
An act to make further provision as to  
compensation for any loss or damage  
occasioned to fishing nets or gear  
detained by sea fishery officers in  
Scotland, S.F. sea fisheries  
(compensation) (Scotland) act, 1959 -  
30 April 1959

Mon.legisl.Rep.F.A.O. Comment: removes  
an anomaly in the statutory  
provisions.

:mlr

M



Cyprus. Laws, 59-8401  
Statutes, etc. (1959)  
Cyprus Gaz., (4230), Suppl.No.3:(245)  
The fisheries law: cap. 88 and law of  
1951 and 8 of 1958. Order in council  
No. 3076 made under section 6 - 5 May  
1959

Mon.legisl.Rep.F.A.O. Comment: the  
number of licences to be issued in any  
year to trawlers for the purpose of  
taking fish in the colony is limited  
to 12 instead of 10 & the fisheries  
regulations 1952 are amended  
accordingly.

mlr

M

Rhodesia-Nyasaland. 59-8404  
Laws, Statutes, etc. (1959)  
Fed.Govt Gaz., Rhodesia, Suppl. 440  
Fed.Govt notice No. 179. Control of  
goods (import and export (agriculture),  
(amendment) regulations, 1959 (No.1) -  
undated

Mon.legisl.Rep.F.A.O. Comment: the  
main effects of this order are to  
obviate the necessity of obtaining:-  
a) import permits for live animals  
(incl. poultry & other birds but not  
fish & reptiles) which are in transit  
through the federation by air but  
which are not off-loaded from the

Nova Scotia. Laws, 59-8402  
Statutes, etc. (1959)  
Law: 1959, Ch. 9:55  
An act respecting the harvesting and  
conservation of sea plants. S.T.: plants  
harvesting act - 26 March 1959

Mon.legisl.Rep.F.A.O.

M

59-8404  
(Card 2)  
aircraft, & b) permits for the  
export of fish, fresh or dried, caught  
in Northern Rhodesia.

mlr

MF

Ontario. Laws, 59-8403  
Statutes, etc. (1959)  
Statutes, Ont., 40:145  
An act to amend the game and fisheries  
act. S.T.: the game and fisheries  
amendment act, 1959 - 26 March 1959

Mon.legisl.Rep.F.A.O. Comment:  
miscellaneous minor changes.

mlr

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On the series that represent tides  
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16(1)

Die Höhenwinde über dem tropischen und  
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Abschnitt B. Weitergehende statistische  
Bearbeitung für Ausgewählte Felder  
(The high winds over the tropical and  
southern Atlantic Ocean. Lief.2,  
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The pattern of distribution of  
littoral animals

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determine the proportion of the echo  
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Mem.Kobe Mar.Obs., 12(2):19-26  
On the forecasting of the movement  
of the typhoon (3rd report)

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 On the T-o<sub>t</sub> relation)

Hoshiai, T. (1958) 59-8416  
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 relation

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Investigations with various  
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FiB:tl

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 B.M. Sweeney (1957)  
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 The luminescent reaction in extracts  
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The extraction, partial purification  
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FAO:jwh

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 Studies of reaction time variability  
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FAO:

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FAO:jsb

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FAO:sjh

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FAO:rym

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FAO:sjh

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length, the scattering per unit  
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The method employs special fixtures &  
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FAO:jet

LF

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Seasonal collections were made from 32  
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FAO:fbp

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A record of water level against time  
at a fixed point off La Jolla can be  
interpreted as the result of  
superposition from waves of all  
possible frequencies. A typical  
analysis into component frequencies  
shows 5 distinct bands of activity  
with frequencies higher than those of  
the tides. Quantitative estimates of  
energy density are given. The

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FAO:sjh

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FAO:sjh

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Chemical & mineralogical composition  
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A century of biological research

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in 1958 incl. faunistic & botanical  
taxonomy, & life history & management  
of fish.

:ba

F

Das, S.C. & 59-8443  
B. Mitra (1958)  
Sci. & Cult., 24(4):178-9  
Length-weight relationship of  
Ophicephalus punctatus Bloch  
BA 33(10)39521.

Maggio, R. (1959) 59-8446  
Exp.Cell Res., 16(2):272-8  
Cytochrome oxidase activity in the  
mitochondria of unfertilized and  
fertilized sea urchin eggs  
BA 33(10)36096. Mitochondria  
isolated from unfertilized eggs of  
Paracentrotus lividus.

aba

M

Hiramoto, Y. (1959) 59-8444  
Exp.Cell Res., 16(2):421-4  
Changes in electric properties upon  
fertilization in the sea-urchin egg  
BA 33(10)36086. Changes in membrane  
potential, resistance & capacity were  
determined by means of capillary  
microelectrode technique in eggs of  
Peronella lesueuri.

Runnström, J. (1959) 59-8447  
Exp.Cell Res., 16(2):448-51  
Inhibitory and anti-inhibitory effects  
on the activity of the centrosome in  
the sea urchin egg  
BA 33(10)36106. Paracentrotus lividus  
were studied.

ba

M

ba

M

Kane, R.E. & 59-8445  
R.T. Hersh (1959)  
Exp.Cell Res., 16(1):59-69  
The isolation and preliminary  
characterization of a major soluble  
protein of the sea urchin egg  
BA 33(10)36090. A study of the water  
extractable proteins of Arbacia  
punctulata & Strongylocentrotus  
purpuratus by ultracentrifugation.

Vallmitjana, L. (1957) 59-8448  
Bol.Soc.esp.Hist.nat., 55(2-3):185-92  
Contribución al estudio de los  
espermatozoides de teleósteos  
(Contribution to the study of the  
spermatozoids of teleosts)  
BA 33(10)36115.

ba

M

M

Vasconcelos Fracat, J. (1957) 59-8449  
C.R.Ass.Anat., 43:832-40  
 Contribution à l'étude cytologique et  
 histochimique de certaines granulations  
 et corpuscules sécrétoires spécifiques  
 de la cellule hépato-pancréatique de  
 quelques mollusques et crustacés  
 (Contribution to the cytological and  
 histochemical study of some granules and  
 specific secretory corpuscles of the  
 hepato-pancreatic cell in some  
 mollusca and crustacea)

BA 33(10)36117. Study in Gryphea, Tapes,  
Mytilus, Patella, Limnaea, Bulinus  
Australorbis & Carcinus.

ba

MF

Heslop-Harrison, Y. & 59-8452  
 J. Heslop-Harrison (1958)  
Irish Nat.J., 12(9):223-9  
 Ring formation by Triglochin  
maritima in eastern Irish salt marsh

BA 33(10)36453. Colonization &  
 centrifugal spread of the sea arrow  
 grass.

ba

1

Minckley, W.L. & 59-8450  
 F.B. Cross (1959)  
Amer.Midl.Nat., 61(1):210-7  
 Distribution, habitat, and abundance  
 of the topeka shiner Notropis topeka  
 (Gilbert) in Kansas

BA 33(10)36442.

Conover, J.T. (1958) 59-8453  
Dissert.Abstr., 19(6):1180  
 Seasonal growth of benthic marine  
 plants as related to an estuarine  
 environment

BA 33(10)36468.

F

1

Odum, E.P. & 59-8451  
 H.T. Odum (1957)  
Atoll Res.Bull., 52.1-2  
 Zonation of corals on Japtan reef,  
 Eniwetok Atoll

BA 33(10)36443. Twenty seven spp. of  
 corals are discussed.

ba

1

de Oliveira, L.P.H. (1958) 59-8454  
Mem.Inst.Osw.Cruz, 56(1):39-79  
Poluição das águas marítimas.  
Estragos na flora e fauna do Rio de  
Janeiro (Pollution of marine  
 waters. Damages to the flora and  
 fauna of Rio de Janeiro)

BA 33(10)36469. Deals particularly  
 with conditions of the island of  
 Pinheiro, because it had been  
 extensively studied when the waters  
 there were pure & now they are  
 strongly polluted. A historical survey  
 is given & 6 degrees of pollution are  
 described.

ba

1



Kashimura, T. (1957) 59-8455  
Ecol.Rev., 14(3):203-7  
Die Verteilung des gelösten  
Sauerstoffs im Tsuta-See mit  
Rücksicht auf die bewurzelnden und  
schwebenden Pflanzen (The  
distribution of dissolved oxygen in  
Tsuta Lake with regard to rooted and  
floating plants)

BA 33(10)36476.

F

Starr, T.J. & 59-8456  
F. Sanders (1959)  
Tex.Rep.Biol.Med., 17(1):49-59  
Some ecological aspects of vitamin B<sub>12</sub>-  
active substances

BA 33(10)36484. Part of the vitamin  
B<sub>12</sub> cycle in the marine environment is  
reviewed. The importance of this  
family of compounds for the growth of  
many marine algae has been emphasized.

:ba

M

Taniguti, M. (1958) 59-8457  
Acta phytotax., Kyoto, 17(6):176-7  
(The community of marine algae in  
Moroyose and Kasumi Bays, San' in  
district). Ni En

BA 33(10)36487. The intertidal  
zonation was studied in the spring of  
1958 in these bays, which front on the  
Japan Sea. An Ulva pertusa-Grateloupia  
filicina community occurs in both.

:ba

M

Béla, E. & 59-8458  
L. Ferenc (1957)  
Ann.Inst.biol.Tihany, 24:87-91  
Vízi élettevékenységek tükröződése a  
Balaton jegében (Reflection of  
underwater life in the ice of Lake  
Balaton). Ma En

BA 33(10)36490.

F

Dinsmore, L.H. (1958) 59-8459  
Dissert.Abstr., 19(6):1479-80  
Ecological studies of twelve strip  
mine ponds in Clarion County,  
Pennsylvania

BA 33(10)36491.

F

Gauvin, A.R. (1958) 59-8460  
Ohio J.Sci., 58(4):197-208  
The effects of pollution on a  
midwestern stream

BA 33(10)36492.

F

Gauvin, A.R. (1959) 59-8461  
Iowa St.Coll.J.Sci., 33(3):395-419  
Production of bottom fauna in the  
Provo River, Utah

BA 33(10)36493. This typical mountain  
stream of the Intermountain Region was  
studied between Sept. 15, 1946 & May  
30, 1949 with particular reference to  
ecological factors as correlated with  
the rich productivity of invertebrate  
animals.

:ba

F

Kajak, Z. (1950) 59-8464  
Bull.Acad.polon.Sci., (Biol.), 6(11-12):  
489-93

Character of the numerical dynamics  
of benthic Tendipedidae in shallow  
parts of an old branch cut off from  
the River Vistula

BA 33(10)36500. The floods during  
which the pool gains connection with  
the river result in a sharp rise in  
the quantity of animals. No  
correlations of the number of  
animals with season or temperature  
were found.

:ba

F

Hortobágyi, T. (1958) 59-8462  
Acta agron.hung., 8(1-2):103-21  
Zusammenhänge zwischen der  
Fischfleischerzeugung und den Algen  
der Fischteiche (Connections  
between the algae of the fish-ponds  
and the production of fish-meat).  
En Ru

BA 33(10)36494.

F

Schmitz, W.R. (1959) 59-8465  
Dissert.Abstr., 19(7):1877  
Artificially induced circulation in  
thermally stratified lakes

BA 33(10)36505.

F

Kajak, Z. (1958) 59-8563  
Bull.Acad.polon.Sci.(Biol.), 6(9):361-5  
On the numerical dynamics of Tendipes  
plumosus L. and Pelopia kraatzi Kieff.  
in a River Vistula pool

BA 33(10)36499. A 4-year investigation.

:ba

F

Sebestyén, G. (1957) 59-8466  
Ann.Inst.biol.Tihany, 24:165-81  
Parti tanulmány (Study on organic  
sediment in the erosion-littoral of  
Lake Balaton). En

BA 33(10)36507. A continuation of  
former studies published by the  
author & coworkers, on detritus, on  
littoral & mud-living Cladocera & on  
2 forms of therotifera Collotheca.

:ba

F

Anonymous (1958) 59-8467  
Mem.Coll.Agric.Kyoto (Fish.Ser.), 1958:  
3-22

List of publications from the  
**Department of Fisheries**, Faculty of  
Agriculture, Kyoto University during  
the period 1947-1957

BA 33(10)36527. Lists the published  
contributions (316) of the members of  
the staff in the field of fishery  
science & technology.

ba

F

Grodhaus, G. & 59-8470  
B. Keh (1958)

J.Parasit., 44(6):633-8  
The marine, dermatitis-producing  
cercaria of Austrobilharzia  
variglandis in California (Trematoda:  
Schistosomatidae)

BA 33(10)39283. Reported from  
California for the 1st time & is  
implicated as a cause of schistosome  
dermatitis in San Francisco Bay.  
Observations on behaviour &  
morphology, incl. critical  
measurements.

ba

M

Ching, H.L. & 59-8468  
E.S. Robinson (1959)  
J.Parasit., 45(2):181  
Two campulid trematodes from a new  
host, the harbor porpoise

BA 33(10)39281. Hadwenius nipponicus  
Yamaguti, 1950 & Campula oblonga  
Cobbold, 1858 are recorded from  
Phocaena vomerina (Gill) 1865 from  
Friday Harbor, Washington, U.S.A.

ba

I

Singh, K.S. & 59-8471  
R.M. Lewert (1959)  
J.infect.Dis., 104(2):138-41  
Observations on the formation and  
chemical nature of metacercarial  
cysts of Notocotylus urbanensis

BA 33(10)39303. The formation of the  
metacercarial cyst from 2 types of  
secretory granules is described.

ba

M

Griffiths, H.J. (1959) 59-8469  
J.Parasit., 45(2):146  
Stagnicola (Hinckleyia) caperata (Say),  
a natural intermediate host for  
Pascioloides magna (Bassi, 1875), in  
Minnesota

BA 33(10)39282. A natural intermediate  
host in northern Minnesota.

ba

F

Koga, S. (1958) 59-8472  
Bull.Pac.Fish.Nagasaki Univ., (2)  
85-91  
(On the stomach contents of tuna  
in the West Indian Ocean).  
Ni En

ba

I



Sogandares-Bernal, F. (1959) 59-8473  
J.Parasit., 45(2):148-50  
Cleptodiscus kyphosi, a new trematode  
 (Paramphistomatidae) in Kyphosus  
sectatrix (Linn.) from Bimini, B.W.I.

BA 33(10)39305. The genus Neocladorchis  
 Bhalerao, 1937, is considered distinct  
 from Cleptodiscus Linton, 1910.

:ba

M

Velasquez, C.C. (1959) 59-8476  
J.Parasit., 45(2):135-47  
 Studies on the family Bucephalidae  
 Poche, 1907 (Trematoda) from  
 Philippine food fishes

BA 33(10)39310. 12 new spp. in 6  
 genera are described. A new fish host,  
Sparus berda (Forskäl) & locality  
 record is given for Proisorhynchus  
crucibulus (Rudolphi, 1819) Cdhner,  
 1905.

:ba

M

Sroufe, S.A., Jr. (1958) 59-8474  
J.Parasit., 44(6):643-6  
Mazocraeoides olentangiensis, n.sp., a  
 monogenetic trematode parasitic on the  
 gills of the gizzard shad, Dorosoma  
cepedianum (le Sueur)

BA 33(10)39307. The taxonomy of the  
 genus Mazocraeoides is discussed  
 briefly.

:ba

MF

Lytle, C.F. (1958) 59-8477  
Proc.Ind.Acad.Sci., 67:304-8  
 The records of freshwater medusae  
 in Indiana

BA 33(10)39321. The medusae were  
 observed most commonly in artificial  
 habitats, as limestone quarries,  
 gravel pits, & artificial lakes.

:ba

F

Thatcher, V.B. & 59-8475  
 A.K. Sparks (1958)  
J.Parasit., 44(6):647-8  
 A new species of Dicrogaster  
 (Trematoda, Haploporidae) from Mugil  
cephalus in the Gulf of Mexico

BA 33(10)39308. D. fastigatus is  
 described from Louisiana coastal  
 waters & compared with the other 2  
 known spp. in the genus, from  
 European waters.

:ba

MF

Packard, C.E. (1958) 59-8478  
Virginia J.Sci., 9(2):247-52  
 Report on a gastrotrichan species  
 from Ashland, Virginia

BA 33(10)39322. 12 specimens were  
 isolated & identified as Chaetonotus  
succinctus Voigt, from a lily pool  
 Randolph-Lacon college.

:ba

F

Turner, H.J., Jr. & 59-8479  
J.E. Hawks (1959)  
Nautilus, 72(4):109-11  
Infestation of Pecten irradians by  
Polydora

BA 33(10)39326. The 2nd record of infestation of bay scallop by the polychaete P. ciliata is reported with discussion of its possible economic significance.

:ba

M

Reddiah, K. & 59-8482  
D.I. Williamson (1959)  
Ann.Mag.nat.Hist., 1(11):689-701  
On Modiolicola inermis (Canu) and  
Modiolicola maxima (Thompson),  
lichomolgid copepods associated with  
pectinid lamellibranchs

BA 33(10)39331. M. inermis is found associated with Chlamys opercularis & M. maxima with Pecten maximus; both copepods appear to be host specific.

:ba

M

Barnard, K.H. (1959) 59-8480  
Ann.Mag.nat.Hist., 1(11):715-20  
New and little-known South African  
marine isopods (Crustacea)

BA 33(10)39327. Description of Cirrolana transcantata & Cymodocella diateichos with descriptive notes Exanthura filiformis, Gnatholana mandibularis, & Arcturina triangularis.

:ba

M

Westervelt, C.A., Jr. & 59-8483  
E.N. Kozloff (1959)  
Amer.Midl.Nat., 61(1):239-44  
Entocythere neglecta sp. nov., a  
cytherid ostracod commensal on  
Pacifastacus nigrescens (Stimpson)

BA 33(10)39333. Taken from museum specimens, collected at San Francisco, California, is described.

:ba

F

Lemos de Castro, A. (1958) 59-8481  
Amer.Mus.Novit., 1908:1-10  
On the systematic position of some  
American species of Philoscia Latreille  
(Isopoda, Oniscoidea)

BA 33(10)39329. Supplemental descriptions are given of the 3 American spp. of "Philoscia complex" based on specimens in the collections of the American Museum of Natural History & of the United States National Museum.

:ba

M

Abbott, R.T. (1959) 59-8484  
Indo-Pacif.Mollusca, 1(1):20-32  
The family Vasidae in the Indo-Pacific

BA 33(10)39473. Descriptions & synonymy are given, with notes on habitat & range, measurements & locality records. There are 7 spp. of Vasum; 5 of Tudicula, & 1 of Tudicla. Color photographs.

:ba

M

Bright, D.B. (1958) 59-8485  
Bull.S.Calif.Acad.Sci., 57(3):127-39  
Morphology of the common mudflat  
snail, Cerithidea californica

BA 33(10)39476. Gross morphology &  
histological description of the  
digestive system. Features of the  
shell & visceral spiral are also  
discussed.

:ba

F

Bailey, R.M. (1959) 59-8488  
Occ.Pap.Mus.Zool Univ.Mich., 599:1-19  
A new catostomid fish, Moxostoma  
(Thoburnia) atripinne, from the Green  
River drainage, Kentucky and Tennessee

BA 33(10)39514. This is the 3rd known  
sp. of Thoburnia. The relationships  
of T. are discussed, & it is here  
placed as a subtenus of Moxostoma.  
Measurements & characters of the 3 spp.  
are compared.

:ba

F

Caldwell, D.K. (1959) 59-8486  
Nautilus, 72(4):117-22  
Notes on the crown conch, Melongena  
corona

BA 33(10)39478. Comments are given on  
movements of marked individuals & on  
food relations.

:ba

M

Cohen, D.M. (1958) 59-8489  
Breviora, 98:1-10  
Two new species of Bathylagus from  
the western North Atlantic with notes  
on other species

BA 33(10)39519. 2 new spp., B. compsus  
& B. grevae on the basis of morphology.  
B. longirostris & B. bericoides, both  
known from the Atlantic, recorded  
from the central Pacific.

:ba

M

Mattox, N.T. (1958) 59-8487  
Bull.S.Calif.Acad.Sci., 57(2):98-104  
Studies on the opisthobranchiata: II.  
A new tectibranch of the genus Philine

BA 33(10)39490. Philine alba is  
described from 35 fathoms off  
Catalina Island, California.

:ba

M

da Franca, P. & 59-8490  
M.L. Faes da Franca (1959)  
Arch.Lus.Bocage, 26:127-56  
Observações osteológicas em Gambusia.  
Esqueleto axial (Osteological  
observations on Gambusia. Axial  
skeleton)

BA 33(10)39520. Detailed examinations  
on specimens taken from tanks in the  
Botanical Garden of Lisbon & from  
rice fields in Aguas de Moura.  
Morphology of the vertebral column  
& ribs, with statistical analysis of  
variations. This form which has  
become acclimatized in Portugal,  
belongs to G. affinis holbrooki.

:ba

F



Hilton, W.A. (1958) 59-8491  
Bull.S.Calif.Acad.Sci., 57(1):1-4  
The brain chorioid plexuses of ganoids  
and teleosts

BA 33(10)39524. Folds on the inner  
sides of the roof of the 4th ventricle  
of Amia & Lepidosteus resembled those  
of elasmobranchs.

:ba

MF

Paes da Franca, M.L. & 59-8494  
P. da Franca (1959)

Arch.Mus.Bocage, 25:39-87  
Contribuição para o conhecimento da  
biologia de Gambusia holbrooki  
(Girard) aclimatada em Portugal  
(População de Aguas de Moura)  
(Contribution to the knowledge of the  
biology of Gambusia holbrooki Girard  
acclimatized in Portugal (Population  
of Aguas de Moura)

BA 33(10)39533. Data are given for  
frequency distribution of total  
lengths, of age classes, the sex  
ratio, signs of gestation, sexual

Matsubara, K. & 59-8492  
T. Iwai (1958)  
Mem.Coll.Agric.Kyoto (Fish.Ser.),  
sp. no. 1958:23-54  
Anatomy and relationships of the  
Japanese fishes of the family  
Gempylidae

BA 33(10)39529. Morphological study of  
the 9 Japanese genera & kindred  
scombrids based upon considerations of:  
lateral line & scales, jaws,  
suspensorium & opercular apparatus,  
cranium, girdles, caudal skeleton,  
vertebral number, & alimentary organs.

:ba

M

59-8494  
(Card 2)  
maturation of the females, &  
correlation between weight & total  
length.

:ba

F

Ostdiek, J.L. & 59-8493  
R.M. Nardone (1959)  
Amer.Midl.Nat., 61(1):218-29  
Studies on the Alaskan blackfish,  
Dallia pectoralis - I. Habitat, size  
and stomach analyses

BA 33(10)39532.

F

Robins, C.R. (1959) 59-8496  
Breviora, 104:1-7  
Studies on fishes of the family  
Ophidiidae - III. A new species of  
Lepophidium from Barbados

BA 33(10)39535. L. kallion from 200  
fathoms is described in detail. A  
comparison with L. marmoratum (Goode  
& Bean), its closest relative, is  
provided.

:ba

M

U.S. Public Health Service (1957) 59-8497  
Publ.Hlth Serv.Publ., Wash., (553):7 p.  
 A comprehensive water pollution control program for the Meramec River Basin

F

Ghana. Fisheries Department (1957) 59-8500  
Accra, Govt Printer  
 Report 1951/52 - 1954/55

MF

Alexander, G.M. & G.G. Eichholz (1958) 59-8498  
Res.Rep.Can.Dep.Mines, (R 15):8 p.  
 A radioactive dial marker for the Decca navigational aid

M

IWC (1957) 59-8501  
Washington, U.S.Govt Print.Off., 2 p.  
 Whaling. Amendments to the schedule to the international whaling convention signed at Washington on December 2, 1946, adopted at the ninth meeting of the International Whaling Commission, London, June 24-28, 1957

M

Chew, F. & L.P. Wagner (1958) 59-8499  
Miami Florida, 55 p.  
 A technical report of investigation for the period of June 25, 1956 to May 7, 1957; submitted September 1958 to the Office of Naval Research, Contract Nonr 840(01)

M

Oren, O.H. (1957) 59-8502  
Tel-Aviv, Israel  
 Physical and chemical characteristics of Lake Tiberias

F

Rosen, A. et al. (1958) 59-8503  
Miami, Florida, 65 p.  
Summary of Florida commercial marine  
fish landings for 1957

M

Sindermann, C.J. (1957) 59-8506  
Res.Bull., Maine, (29):20 p.  
Diseases of fishes of the western  
North Atlantic - VI. Geographic  
discontinuity of myxosporidiosis in  
immature herring from the Gulf of  
Maine

M

Brown, C.J.D. & 59-8504  
N. Thoreson (1958)  
Bull.Mont.agric.Exp.Sta., (544):26 p.  
Ranch fish ponds

F

Kempf, E.J. (1958) 59-8507  
Ann.N.Y.Acad.Sci., 73(4):869-909  
Basic biodynamics

G

Hamano, S. (1957) 59-8505  
Mem.Fac.Fish.Hokkaido Univ., 5(2):89-143  
Physico-chemical studies on the  
activation and fertilization of fish  
eggs

F

Mason, B. (1958) 59-8508  
New York, Wiley, 310 p.  
Principles of geochemistry (2nd ed.)

G



U.S. Congress. House. 59-8509  
Committee on Interstate &  
Foreign Commerce (1958)..  
Wash., Govt.Print.Off., 182 p.  
International Geophysical Year. The  
Arctic, Antarctica

M

Ricci, E. (1957) 59-8512  
Ann.Sta.océanogr.Salambô, (11):163 p.  
Contribution à la biometrie, à la  
biologie et la physico-chimie de la  
moule commune (Mytilus galloprovin-  
cialis Lmk) (Contribution to the

M

Koga, S. (1958) 59-8510  
Bull.Fac.Fish.Nagasaki Univ., (6):92-6  
(Size composition of the albacore,  
big-eyed tuna and yellowfin tuna  
caught in the West Indian Ocean).  
Ni En

lw

M

Inman, D.L. (1958) 59-8513  
Tech.Memor.U.S.Army Eros.Bd, (100):  
7 p.  
Wave-generated ripples in nearshore  
sands

M

U.S. Treaties, etc. (1958) 59-8511  
Wash., U.S.Govt Print.Off., 59 p.  
North Pacific fur seals. Interim  
convention between the United States of  
America, Canada, Japan, and the Union  
of Soviet Socialist Republics signed  
at Washington February 9, 1957

M

Frantz, D.H., Jr., D.D. 59-8514  
Ketchum & R.G. Walden (1958)  
Woods Hole, Mass.,  
A radio telemetering system for  
oceanography

M

Enokida, S. (1958) 59-8515  
Tuna Fish., 50:19-21  
A study on the distribution sea areas  
of yellowfin and bigeye tunas, which  
have different ovary maturity

M

Miura City. Investigative 59-8518  
Society of Tuna Fishery (1958)  
Miura City, 135 p.  
Results of landings survey on the  
tuna, April 1955-March 1956

M

Fukushima Prefecture 59-8516  
Fisheries Experiment . . .  
Laboratory (1958)  
Fukushima Prefecture, Japan, 18 p.  
Report of investigation of tuna long-  
line fishing, 7th voyage of the  
IWAKI-MARU

M

Locher, F.W. (1958) 59-8519  
Rep.Swed.Deep-Sea Exped., 7(4):185-208  
Sedimentpetrografische Untersuchung  
der Lotkerne 255 und 257  
(Sediment petrographical  
investigations of the sediment cores  
255 and 257)

lw

M

Ikeda, Y. (1958) 59-8517  
Tuna Fish., 50:23  
Introduction of new fishing equipment,  
a luminous bait

M

Locher, F.W. (1958) 59-8520  
Rep.Swed.Deep-Sea Exped., 7(5):209-25  
Ein Beitrag zum Problem der  
Tiefseesande im westlichen Teil  
des äquatorialen Atlantiks  
(A contribution to the problem of  
bottom sand in the western part of  
the equatorial Atlantic Ocean)

lw

M

Nikolskii, G. (1959) 59-8521  
Rapp.Cons.Explor.Mer, 148:6  
Chairman's introduction

Short review of "Symposium on Salmon & Sea Trout" as introduction to contributed papers (59-8522 to 59-8541)  
Gives recommendations of a working group which were accepted by ICES Salmon & Trout Committee, with special reference to tagging problems, & the conservation of Baltic salmon stocks.

FiB:sjh

MF

Rudakov, N.P. (1959) 59-8524  
Rapp.Cons.Explor.Mer, 148:11-6  
The use of radioactive calcium ( $Ca^{45}$ ) for marking young salmon

Printed version of 585602.

FiB:

MF

Lindroth, A. (1959) 59-8522  
Rapp.Cons.Explor.Mer, 148:7  
Short report on internal tagging of salmon parr

Printed version of 585599.

FiB:

MF

Shearer, W.M. (1959) 59-8525  
Rapp.Cons.Explor.Mer, 148:17-8  
Some notes on the efficiency of two types of tag used for tagging sea-trout kelts in the River Dee, Aberdeenshire

Printed version of 585596.

FiB:

MF

Mills, D.H. (1959) 59-8523  
Rapp.Cons.Explor.Mer, 148:8-10  
Salmon smolt tagging experiments at Invergarry salmon hatchery

Printed version of 585597.

FiB:

MF

Dahl, J. (1959) 59-8526  
Rapp.Cons.Explor.Mer, 148:19-22  
A review of the efficiency of the types of tags used in Denmark for salmon and sea trout, as shown by the recaptures

Printed version of 585610.

FiB:

MF



Swain, A. (1959) 59-8527  
Rapp.Cons.Explor.Mer, 148:23-5  
The efficiency of various types of tags  
  
Printed version of 585604.

FiB: MF

Montén, B. (1959) 59-8530  
Rapp.Cons.Explor.Mer, 148:40-1  
The amplitude of the smolt production  
of the Swedish State Power Board  
  
Printed version of 585612.

FiB: MF

Larsen, K. (1959) 59-8528  
Rapp.Cons.Explor.Mer, 148:26-8  
The effect of the liberation of sea-  
trout fry in the Gudenå Area, as shown  
by the trout catch in the Lower River  
and the Randers Fjord  
  
Printed version of 585611.

FiB: MF

Koshin, N.I. & 59-8531  
A.A. Protasov (1959)  
Rapp.Cons.Explor.Mer, 148:42-4  
Freshwater species of salmon and their  
significance in the origin of the  
Salmonidae and practical fish culture  
  
Printed version of 585609.

FiB: MF

Evropeizeva, N.W. (1959) 59-8529  
Rapp.Cons.Explor.Mer, 148:29-39  
Experimental analysis of the young  
salmon (Salmo salar L.) in the stage  
of transition to life in the sea  
  
Printed version of 585603.

FiB: MF

Lagunov, I.I. & 59-8532  
V.V. Azbelev (1959)  
Rapp.Cons.Explor.Mer, 148:45-7  
On the efficiency of natural  
propagation in Atlantic salmon (Salmo  
salar L.)  
  
Printed version of 585606.

FiB: MF

Ivlev, V.S. & 59-8533  
G.G. Galkin (1959)  
Rapp.Cons.Explor.Mer, 148:48-52  
Survival and growth of Baltic salmon  
of different ages in natural  
conditions

Printed version of 585601.

FiB:

MF

Carlin, B. (1959) 59-8536  
Rapp.Cons.Explor.Mer, 148:60-2  
Salmon conservation in the Baltic

Printed version of 585598.

FiB:

MF

Vladimirskaia, M.I. (1959) 59-8534  
Rapp.Cons.Explor.Mer, 148:53-7  
Young salmon in the upper part of the  
River Petchora

Printed version of 585607.

FiB:

MF

Lindroth, A. (1959) 59-8537  
Rapp.Cons.Explor.Mer, 148:63-5  
Co-operation in research and  
management of Baltic salmon

Printed version of 585600.

FiB:

MF

Zarnecki, St. (1959) 59-8535  
Rapp.Cons.Explor.Mer, 148:58-9  
Considerations relating to restocking  
with salmon and sea trout

Lists & discusses situations in which  
artificial introduction of young  
fish may be useful; problems of  
disturbed spawning.

FiB:ajb

MF

Nikolskii, G.V. & 59-8538  
N.I. Koshin (1959)  
Rapp.Cons.Explor.Mer, 148:66-8  
Some peculiarities of salmon biology  
which are important in their  
reproduction

Printed version of 585608.

FiB:

MF

Elson, P.F. (1959) 59-8539  
Rapp.Cons.Explor.Mer, 148:69-71  
Developing effective use of hatchery-  
reared Atlantic salmon (Salmo salar)  
in Canada

Principles of planting; basic  
techniques; dispersal, survival &  
general establishment of planted fish;  
control of predators; evaluation of  
planted stock.

FiB:sjh

MF

Lippmann, F. (1958) 59-8542  
Rep.Swed.Deep-Sea Exped., 10(3):39-42  
X-ray determination of phillipsite  
in a sediment core from the central  
equatorial Pacific

lw

M

Lishev, M.N. (1959) 59-8540  
Rapp.Cons.Explor.Mer, 148:72-5  
Some peculiarities of the population  
dynamics of the salmon stock of the  
eastern Baltic

Printed version of 585605.

FiB:

MF

Kazihara, T. (1958) 59-8543  
Bull.Fac.Fish.Nagasaki Univ., (6):50-4  
(On the process of development of  
coastal fishing village - II. An  
example of the purse seine fishery in  
Tachi-Ura). Ni

lw

M

Ryhänen, R. (1959) 59-8541  
Rapp.Cons.Explor.Mer, 148:76-80  
Summary of observations on trout in  
the Isojoki (Finland)

Printed version of 585595.

FiB:

MF

Kazihara, T., S. Iizuka 59-8544  
& M. Tanaka (1958)  
Bull.Fac.Fish.Nagasaki Univ., (6):  
113-20  
(Studies on the catch by Masuami - I.  
Oceanographic conditions of the  
fishing ground, net construction and  
the species in the catch). Ni

lw

M



Bourcart, J. (1959) 59-8545  
C.R.Acad.Sci., Paris, 249:1380-2  
 Le plateau continental de la  
 Méditerranée occidentale (The  
 continental shelf of the western  
 Mediterranean)

Essay on its structure & geological  
 origin; geographic & topographical  
 comparisons.

FAC:sjh

M

Chaigneau, J. (1959) 59-8548  
C.R.Acad.Sci., Paris, 249:1403-5  
 Influence des facteurs externes sur  
 l'éclosion des oeufs de Lepidurus  
apus (Leach), (Crustacé phyllopo-  
 de). Détermination de l'optimum thermique  
 (Influence of external factors on the  
 hatching of eggs of Lepidurus apus  
 (Leach), phyllopod crustacean.  
 Determination of the thermic optimum)

Effects of temperature &  
 dessiccation.

FAC:sjh

F

Jönsson, S. & 59-8546  
 S. Puiseux-Dao (1959)  
C.R.Acad.Sci., Paris, 249:1383-5  
 Observations morphologiques et  
 caryologiques relatives à la  
 reproduction chez le Siphonocladus  
pusillus, (Kütz.) Hauck, Siphonoclada-  
 cées, en culture (Morphological  
 & caryological observations relating  
 to reproduction of Siphonocladus  
pusillus (Kütz.) Hauck, Siphonocladaceae,  
 in culture)

A sexual reproduction by biflagellate  
 zoospores observed at Villefranche.

FAC:sjh

M

Amoureux, L. (1959) 59-8549  
C.R.Acad.Sci., Paris, 249:1406-8  
 Quelques enclaves d'eau douce en  
 plein milieu marin (Some fresh-  
 water enclaves in the marine  
 environment)

Describes special hydrographic  
 conditions SE of the Aber, & the  
 differences in fauna zonation with  
 reference to Cardium, Arenicola,  
Nereis & other benthos.

FAC:sjh

1F

Lejuez, R. (1959) 59-8547  
C.R.Acad.Sci., Paris, 249:1389-91  
 Premières recherches sur l'hybridation  
 interspécifique à l'intérieur du genre  
Sphaeroma (First studies of  
 interspecific hybridization within the  
 genus Sphaeroma)

Characteristics of hybrids of S.  
hookeri & S. monidi of French coasts.

FAC:sjh

M

Delosme, R., P. Joliot 59-8550  
 & J. Lavorel (1959)  
C.R.Acad.Sci., Paris, 249:1409-11  
 Sur le complémentarité de la  
 fluorescence et de l'émission  
 d'oxygène pendant la période  
 d'induction de la photosynthèse  
 (On the complementary nature of  
 fluorescence and oxygen emission  
 during the photosynthesis induction  
 period)

Experiments with Chlorella.

FAC:sjh

F

Lund, J.W.G. (1959) 59-8551  
Brit.phycol.Bull., (7):1-17  
Buoyancy in relation to the ecology  
of the freshwater phytoplankton

F

Godward, M.B.E. (1959) 59-8554  
Brit.phycol.Bull., (7):43-6  
Chromosome numbers in the algae - II.  
Chlorophyta (1)

MF

Bursa, A. (1958) 59-8552  
J.Protozool., 5:299-304  
Freshwater dinoflagellate Wolcazynskia  
limnetica n.sp. membrane and proto-  
plasmic structures

F

Swale, E.M.F. (1959) 59-8555  
Brit.phycol.Bull., (7):71-2  
Some uncommon Chlorophyceae from the  
River Lee

F

Norway. 59-8553  
Fiskeridirektøren (1957)  
Aarsberetn.Norg.Fisk., (8):28 p.  
Fiskeri-undervisningen 1956-57  
Fisheries education 1956-57)

Annual reports from different  
fisheries schools of the State.

FAC:tl

M

Belcher, J.H. (1959) 59-8556  
Brit.phycol.Bull., (7):73-4  
Some uncommon Chlorophyceae from the  
Lee Valley

F

Smirnov, N.N. (1959) 59-8557  
Trud.moskovsk tekhnich.Inst.rybnoi  
prom.Khoz., 10:62-74  
(Variations in chemical composition of  
Protococcales under the influence of  
chemical regime of the environment).  
Ru

Belcher, J.H. & 59-8560  
G.E. Fogg (1959)  
Brit.phycol.Bull., (7):22-5  
Pigments from the bottom deposits of  
Lsthwaite  
  
Abstr. only.

Talling, J.F. (1959) 59-8558  
Brit.phycol.Bull., (7):26-7  
The depth of algal photosynthesis in  
natural waters  
  
Abstr. only.

Evans, J.H. (1959) . . . 59-8561  
Brit.phycol.Bull., (7):25-6  
The microstratification of algae in  
the litter and mud of pond margins;  
with some observations on the  
accumulation of fat by diatoms during  
exposure to drought  
  
Abstr. only.

Miller, J.D.A. (1959) 59-8559  
Brit.phycol.Bull., (7):22  
An extracellular enzyme produced by  
Monodus  
  
Abstr. only.

Kiss, I. (1959) 59-8562  
Acta Biol.hung., 9:317-42  
Synoptische meteorol biologische  
Analyse der Massenproduktion einiger  
pflanzlichen Mikroorganismen  
(Synoptic meteorobiological analysis  
of mass production in some micro-  
organisms of plants)



Canter, H.M. (1959) 59-8563  
Trans.Brit.mycol.Soc., 42:185-92  
Fungal parasites of the phytoplankton.  
IV. Rhizophidium contractophilum sp.  
nov.

F

Wallén, G.H. (1958) 59-8566  
Thesis, Oklahoma St. Univ.  
Fishes of the Verdigris River in  
Oklahoma

Systematics, distribution.

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Warburton, B.T. (1958) 59-8564  
Thesis, Univ. of Texas, 74 p.  
Selection studies on artificial  
populations of Gambusia

Systematics, distribution.

F

Kojima, Y. (1958) 59-8567  
Bull.Mar.biol.Sta.Asamushi, 9(1):35-7  
On the breeding of a periwinkle,  
Littorivaga atkana (Dall)

lw

Bakshi, T.S. (1959) 59-8565  
Plant Sci.Bull., 5(1) 1-4  
A plea for a wider usage of scientific  
plant names

G

Smirnov, N.N. (1959) 59-8568  
Trud.moskovsk.tekhnich.Inst.rybnoi  
prom.Khoz., 10:75-87  
(Role of higher plants as food of  
animal population of bogs and fens).  
Ru

F

Ariss, A.L. (1959) 59-8569  
Bull. Acad. Sci. U.R.S.S. (Géogr.), 465  
Morskaya mikrobiologiya (Morskaya)  
 (Marine microbiology)

Shaposhnikov, V.N., E.N. 59-8572  
 Kondrat'eva & V.D. Fedorov (1958)  
Microbiol., Moscow (En Transl.), 27:  
 521-7

A contribution to the study of green  
 sulfur bacteria of the genus  
Chlorobium

En transl. of 59-8571.

M

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MacLeod, R.A. et al. (1958) 59-8570  
J. Biol. Chem., 232:229-34  
 Observations on the function of sodium  
 in the metabolism of a marine bacterium  
 (issued as: Stud. Stas. Fish. Res. Bd. Can.,  
 1958, 533).

Ruban, E.L. (1958) 59-8573  
Microbiol., Moscow, 27: 536-41  
 (Nitrogen metabolism of Nitrosomonas  
europaea). Ru

M

F

Shaposhnikov, V.N., E.N. 59-8571  
 Kondrat'eva & V.D. Fedorov (1958)  
Microbiol., Moscow, 27:529-35  
 (A contribution to the study of green  
 sulfur bacteria of the genus  
Chlorobium). Ru

Ruban, E.L. (1958) 59-8574  
Microbiol., Moscow (En Transl.), 27:528-32  
 Nitrogen metabolism of Nitrosomonas  
europaea

En transl. of 59-8573.

M

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Zavarzin, G.A. (1958) 59-8575  
Mikrobiol., Moscow, 27:542-6  
(On the inducer of the second phase of  
nitrification - II. The effect of  
heavy metals on nitrification). Ru

G

Beliaeva, M.I. (1958) 59-8578  
Microbiol., Moscow (En Transl.), 27:  
538-45  
On chemosynthesis in hydrogen  
bacteria

En transl. of 59-8577.

G

Zavarzin, G.A. (1958) 59-8576  
Microbiol., Moscow (En Transl.), 27:533-7  
On the inducer of the second phase of  
nitrification - II. The effect of heavy  
metals on nitrification

En transl. of 59-8575.

G

Horridge, G.A. (1958) 59-8579  
J.exp.Biol., 35(2):369-82  
The co-ordination of the responses  
of Cerianthus (Coelenterata)

lw

M

Beliaeva, M.I. (1958) 59-8577  
Mikrobiol., Moscow, 27:547-55  
(On chemosynthesis in hydrogen  
bacteria). Ru

G

Ishizaka, S. (1958) 59-8580  
J.exp.Biol., 35(2):396-9  
Surface characters of living cells  
I. Stationary surface rings

lw

G



Ekzertsev, V.A. (1958) 59-8581  
Mikrobiol., Moscow, 27:626-33  
(A study of oil decomposition by  
microorganisms under anaerobic  
conditions). Ru

MF

Romanova, A.P. (1958) 59-8584  
Mikrobiol., Moscow (En Transl.), 27:  
621-7  
Rate of development of bacterial flora  
on the littoral of Lake Baikal  
(according to overgrowth slide data)  
En transl. of 59-8583.

F

Ekzertsev, V.A. (1958) 59-8582  
Mikrobiol., Moscow, (En Transl.), 27:  
614-20  
A study of oil decomposition by  
microorganisms under anaerobic  
conditions

En transl. of 59-8581.

MF

Sherstoboev, K.N. (1958) 59-8585  
Mikrobiol., Moscow, 27:641-5  
(A new species of Bacillus forming  
mobile colonies - Bacillus  
coloniomobile). Ru

F

Romanova, A.P. (1958) 59-8583  
Mikrobiol., Moscow, 27:634-40  
(Rate of development of bacterial flora  
on the littoral of Lake Baikal  
(according to overgrowth slide data) ).  
Ru

1'

Sherstoboev, K.N. (1958) 59-8586  
Mikrobiol., Moscow (En Transl.), 27:  
628-31  
A new species of Bacillus forming  
mobile colonies - Bacillus  
coloniomobile

En transl. of 59-8585.

F

Brandhorst, W. (1959) 59-8587  
J.Cons.int.Explor.Mer, 25(1):3-20  
Nitrification and denitrification in  
the eastern tropical North Pacific

Discusses data from SCOPE Expedition  
(7-11/17-2-56) & ISLAND CURRENT  
survey 8-5/12-6-57. Over large areas  
considerable amounts of nitrite occur  
in the thermocline layer, due to  
nitrification processes associated  
with the remineralization of sinking  
planktonic material. Depletion of  
oxygen is found below the thermocline,  
caused by the decomposition of organic  
matter.

FiB:sjh

M

Colton, J.B., Jr. (1959) 59-8590  
J.Cons.int.Explor.Mer, 25(1):29-35  
The multiplane kite-otter as a  
depressor for high-speed plankton  
samplers

Ill. description of apparatus, its  
calibration, operation & results  
of trials.

FiB:sjh

M

Longhurst, A.R. (1959) 59-8588  
J.Cons.int.Explor.Mer, 25(1):21-8  
Benthos densities off tropical  
West Africa

Survey of continental shelf between  
Gambia & Sulima Rivers. Relationship  
between density of fauna - in terms  
of biomass & numbers of spp. &  
individuals per unit area - &  
biological & physical factors in the  
environment. Fauna is most dense in  
shallow water, on deposits of moderate  
silt content, & in faunas transitional  
between Venus & Amphioplus communities.  
More dense off Gambia R. than off

Bé, A.W.H., M. Ewing 59-8591  
& L.W. Linton (1959)  
J.Cons.int.Explor.Mer, 25(1):36-46  
A quantitative multiple opening-and-  
closing plankton sampler for vertical  
towing

Ill. description of apparatus & its  
method of operation.

FiB:sjh

M

59-8588  
(Card 2)  
Sierra Leone, & is more dense in  
Sierra Leone estuaries than on adjacent  
open shelf.

FiB:arl

Gulland, J.A. & 59-8592  
S.J. Holt (1959)  
J.Cons.int.Explor.Mer, 25(1):47-9  
Estimation of growth parameters for  
data at unequal time intervals

Theory of method of determining  
coefficients of von Bertalanffy  
equation from data of tagging  
experiments etc., with a table to  
aid computation.

FiB sjh

MF

Cohen, D.H. (1959) 59-8593  
J.Cons.int.Explor.Mer., 25(1):50-2  
 The scientific name of the common cod

Reviews literature & concludes name should be Gadus morhua Linnaeus 1758.

FiB:sjh

M

Baxter, I.C. (1959) 59-8596  
J.Cons.int.Explor.Mer., 25(1):73-80  
 Fecundities of winter-spring and summer-autumn herring spawners

Comparison of relation between fecundity & fish size & egg size in different N.Sea stocks of Clupea harengus.

FiB:sjh

M

Beverton, R.J.H., J.A. 59-8594  
 Gulland & A.R. Margetts (1959)  
J.Cons.int.Explor.Mer., 25(1):53-7  
 Whiting tagging: how the tag return rate is affected by the condition of fish when tagged

Describes method of classifying condition at time of tagging, & influence of condition on returns from an experiment in Irish Sea, Nov.-Dec., 1957, is analysed. Extent of damage to scales affected returns. Use of such a classification enhances value of experimental data.

FiB:sjh

M

Farrish, B.D. 59-8597  
 D.P. Sharman (1959)  
J.Cons.int.Explor.Mer., 25(1):81-92  
 Otolith types amongst summer-autumn spawning herring in the northern North Sea

Comparative studies of Clupea harengus 1953-57 to distinguish stocks. Relation of growth zone measurements in scales & otoliths.

FiB:sjh

M

Jones, R. (1959) 59-8595  
J.Cons.int.Explor.Mer., 25(1):58-70  
 A method of analysis of some tagged haddock returns

Development & application of diffusion theory with non random component, to experiment with Melanogrammus aeglefinus off Scottish east coast 1956-57. Incl. extension of study by Skellam (Biometrika, 38:1, 6-218, 1951) & 581530.

FiB:sjh

MG

Taylor, C.C. (1959) 59-8598  
J.Cons.int.Explor.Mer., 25(1):93-101  
 Temperature and growth - The Pacific razor clam

Study of relations between von Bertalanffy parameters K & E in Siliqua patula populations to air temperature from Alaska to California. Data also given for Leucichthys, Carlinus, Gadus morhua, Melanogrammus, Microsternus, Esox, Coregonus & Stizostedion spp.

FiB:sjh

i



Marshall, N.B. (1959) 59-8599  
J.Cons.int.Explor.Mer, 25(1):102-3  
Marine ecology.

Critical review of 59-2032.

FiB:

Osnitskaia, L.K. (1958) 59-8602  
Mikrobiol., Moscow, 27:665-72  
(Utilization of organic compounds by  
a photosynthetic purple sulfur  
bacterium from Beloe Lake). Ru

Dubach, H.W. (1959) 59-8600  
J.Cons.int.Explor.Mer, 25(1):104-5  
Fishing atlas of the North Sea

Critical review of 580520.

FiB:

Osnitskaia, L.K. (1958) 59-8603  
Microbiol., Moscow (En Transl.), 27:  
653-9

Utilization of organic compounds by a  
photosynthetic purple sulfur  
bacterium from Beloe Lake

En transl. of 59-8602.

FiB:

Mackereth, F.J.H. (1959) 59-8601  
J.Cons.int.Explor.Mer, 25(1):105-7  
Apparatus and methods of oceanography.  
Part I. Chemical

Critical review of 59-6759.

FiB:

Zavarzin, G.A. (1958) 59-8604  
Mikrobiol., Moscow, 27:679-87  
(The inducer of the second phase of  
nitrification - III. Morphology of  
the inducer of the second phase of  
nitrification). Ru

MF

G

Zavarzin, G.A. (1958) 59-8605  
Microbiol., Moscow (En Transl.), 27:  
666-72

The inducer of the second phase of  
nitrification - III. Morphology of the  
inducer of the second phase of  
nitrification

En transl. of 59-8604.

G

Rudnick, D. (Ed.) (1959) 59-8608  
New York, Ronald Press Co., 352 p.  
Cell, organism, and milieu

A series of papers concerning widely  
different objects of research,  
approaches & techniques. The cells  
under discussion range in origin from  
fresh-water hydra to insects, plants  
& mammals. Incl. reviews & studies  
of tissue differentiation as  
affected by the biochemical  
environment; muscle cell models;  
tissue response to hormonal milieu;  
growth factors operating on plant  
tissues; & growth & differentiation in

Rudnick, D. (Ed.) (1959) 59-8606  
New York, Ronald Press Co., 213 p.  
Developmental cytology

Contributions focused on under-  
standing of cellular structure &  
function, especially as pertaining  
to differentiation processes & their  
genetic control. The cells under  
discussion range from protozoa to  
vertebrates. The alterations of  
chromosomes & other cell organelles  
form the theme of several reports.  
New techniques in light & electron  
microscopy, cell culture, biochemical  
cytology, & immunology are also covered.

:sjh

G

59-8608  
(Card 2)

whole organisms in relation to  
chemical alterations in their  
environment.

:sjh

G

Lafon, M. (1958) 59-8607  
Arch.Zool.exp.gén., 95(2):79-98  
Contribution à l'étude des cycles  
métaboliques chez Talitrus saltator L.  
(Contribution to the study of  
metabolic cycles in Talitrus saltator  
L.)

lw

M

Razumovskaia, Z.G. & 59-8610  
I.V. Osipova (1958)

Mikrobiol., Moscow, 27:727-32  
(The ratio between live and dead  
bacteria in a multiplying culture of  
Acetobacter melanogenum). Ru

F

Razumovskaia, Z.G. & I.V. Osipova (1958) 59-8611  
Microbiol., Moscow (En Transl.), 27:  
712-6

The ratio between live and dead  
bacteria in a multiplying culture of  
Acetobacter melanogenum

En transl. of 59-8610.

F

Longhurst, A.R. (1959) 59-8614  
Proc.N.Z.ecol.Soc., 6:8-12  
The sampling problem in benthic  
ecology

MF

Shturm, L.D. (1959) 59-8612  
Mikrobiol., Moscow, 27:740-52  
(Studies on hydrocarbon assimilation  
by microorganisms). Ru

MF

Allen, K.R. (1959) 59-8615  
Proc.N.Z.ecol.Soc., 6:5-8  
The distribution of stream bottom  
faunas

F

Shturm, L.D. (1959) 59-8613  
Microbiol., Moscow (En Transl.), 27:  
723-33

Studies on hydrocarbon assimilation  
by microorganisms

En transl. of 59-8612.

MF

Johannesson, J.K. (1959) 59-8616  
Proc.N.Z.ecol.Soc., 6:39-41  
Aspects of hydrology in the Hutt  
Valley

F



Saxby, S.H. (1959) 59-8617  
Proc.N.Z.ecol.Soc., 6:1-4  
Ecology: observation and deduction

MF

Gameson, A.L.H. & 59-8620  
S.D. Griffith (1959)  
Wat.Waste Treatm.J., Jan.-Feb.:4 p.  
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Ajia, K. (1957)	7821	Barnard, K.H. (1959)	8480
Akademiia Nauk SSSR (1957)	7971	Barnes, C.A. & L.K. Coachman (1959)	7675
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Alexander, G.E. & G.G. Eichholz (1958)	8498	Barnhart, R.A. (1958)	8241
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Allen, M.B. (1959)	7850	Beck, G.E. (1958)	7963
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Anderson, W.D. & H.W. Freeman (1957)	8203	Beeton, A.M. (1958)	8280
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Arnon, D.I. (1959)	7851 7852	Belgium. Laws, Statutes, etc. (1959)	8365
Arnoult, J. & J. Spillmann (1958)	8109	Beliaeva, M.I. (1958)	8577 8578
Aron, W. (1958)	7740	Benditskii, N.D. (1958)	7795
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Artüz, M.I. (1959)	7658 7713	Bidwell, R.G.S. (1959)	7855
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Bailey, M.E. (1958)	7569	Blackler, H. & G. Russell (1959)	7856
Bailey, R.M. (1959)	8488	Blanchard, D.C. (1958)	7810
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Baker, B.R. (1959)	8663	Bold, H.C. (1959)	7857
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Bal, D.V. (1957)	7718	Bourcart, J. (1959)	8545
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		Bradshaw, J.S. (1957)	8425
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		Briggs, J.C. & N. Egami (1959)	7518



Bright, D.B. (1958)	8485	Chaigneau, J. (1959)	8548
Brook, A.J. (1958)	7540	Chalmers, B. (1959)	8005
Brovikov, I.S. & Iu.M. Krylov (1958)	7791	Champigny, M.L. (1959)	7899
Brown, C.J.D. & N. Thoreson (1958)	8504	Chapman, V.J. (1959)	7863
Brown, T.E. (1959)	7860	Charles, J.R. (1957)	8246
Bruievich, S.V. & Ie.D. Zaitseva (1958)	7751	Charnock, H. (1958)	7771
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Brynildson, C. (1958)	7702	Chessin, M. (1959)	7864
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Buchholz, M.M. (1958)	7654	Chile. Laws, Statutes, etc. (1958)	8327
Buchsbaum, R. (1957)	8231	Chile, Laws, Statutes, etc. (1959)	8345 8353
Bulgakov, N.P. (1958)	7754	Ching, H.L. & E.S. Robinson (1959)	8468
Buliček, J. (1958)	7560	Choe, E.S. (1959)	7891
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Burrows, E.M. (1959)	7936	Coackley, P. (1958)	7748
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C.O.I. (1959)	8185 to 8189	Cohen, D.M. (1959)	8593
Cain, S.A. (1959)	7861	Cole, V.W. (1957)	8287
Caldwell, D.K. (1959)	8486	Coll, H. (1957)	8290
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Canada. Laws, Statutes, etc. (1958)	8301 8325 8326	Colton, J.B., Jr. (1959)	8590
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Carnes, W.C. (1958)	7769	Corbet, P.S. (1958)	8180
Carr, A. & L. Giovannoli (1957)	7589	Corbet, P.S. (1959)	8181
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Cartwright, D.E. (1957)	8002	Cowell, B.C. (1959)	7681
Cassie, V. (1959)	7862 7937	Crass, R.S. (1959)	8637 8642
Castenholz, R.W. (1958)	8191	Crichton, M.I. & B.R. Baker (1959)	8663
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		Crossman, E.J. (1959)	7510 7511
		Cummings, R.H. & R.A. Neal (1958)	7573
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		Curray, J.R. (1957)	8432

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da Franca, P. (1959)	8494	Efremychev, V.I. (1957)	8004
da Franca, P. & M.L.Paes da Franca (1959)	8490	Egami, N. (1959)	7518
Dahl, J. (1959)	8526	Egler, F.E. (1959)	7940
Daniel, A. (1958)	7523	Ehrlich, S. (1958)	7697 7701
Danielli, J.F., K.G.A. Pankhurst & A.C. Riddiford (1959)	8153	Eichholz, G.G. (1958)	8498
D'Arcy Thompson, R. (1958)	7526	Ekzertsev, V.A. (1958)	8581 8582
Darden, Wm.M. & D.R. Talbott (1958)	7581	Elnahal, I.M. (1958)	7833
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Davies, D.H. (1958)	8015	Elster, H.-J. (1958)	7521
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Debaisieux, P. (1959)	8121	Emerson, R. & H.C. Whisler (1959)	7871
Delacour, J. (1957)	7770	Emerson, W.K. (1958)	8190
Del Grosso, V.A. (1959)	7509	Emery, K.O. (1957)	8429
Delosme, R., P. Joliet & J. Lavorel (1959)	8550	Enokida, S. (1958)	8515
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De Selm, H.R. & R.E. Shanks (1959)	7938	Eyster, C. (1959)	7873
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Harris, E.J. (1958)	8248
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Haxo, F.T. (1959)	7882	Hrbáček, J. (1958)	7550
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Heezen, B.C., M. Tharp & M. Ewing (1959)	7710	Hughhins, E.J. (1958)	8235
Heinsheimer, G.J. (1958)	7976	Hulings, N.C. (1958)	7479
Helm, W.T. (1958)	8279	Hultin, T. (1958)	7473
Helmcke, J.-G. (1959)	7883	Hunn, J.B. (1959)	8625
Hempel, C. (1957)	8016	Hutson, R.E. (1958)	7991
Hennings, C. (1958)	7570	Hutton, R.F. (1959)	8104
Hermann, E.R. & E.F. Gloyne (1958)	7481 7482	Hyman, L.H. (1959)	7708
Hersh, R.T. (1959)	8445	Hynes, H.B.N. (1959)	7464
Heslop-Harrison, J. (1958)	8452	Idler, D.R. & I. Bitners (1958)	8629
Heslop-Harrison, Y. & J. Heslop-Harrison (1958)	8452	Idler, D.R. & H. Tsuyuki (1958)	8628
Heukelekian, H. (1958)	7571	Iizuka, S. (1958)	8544
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Heywood, V.H. & D.H. Valentine (1959)	7884	IPFC (1958)	7720 7721
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Hikida, T. (1957)	8204	Inman, D.L. (1958)	8513
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Hillis, L.W. (1959)	7885		7933
Hilton, W.A. (1958)	8491	IWC (1957)	8501
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Hirst, E.L., J.J. O'Donnell & E. Percival (1958)	7668	Irie, H. (1958)	8410
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Ho, P.H. (1959)	7887	Isaac, P.C.G., P. Coackley & M. Lodge (1958)	7748
Hobbs, H.H., Jr. (1958)	8126	Ishizaka, S. (1958)	8580
Hobbs, H.H., Jr. & M. Walton (1958)	8199	Isozaki, I. (1958)	7969
Hochachka, P.W. (1959)	7514	Israël, H. (1958)	7980
Hoffman, G.L. (1958)	8240	Iushchak, A.A. & A.M. Muromtsev (1957)	8000
Hollenberg, G.J. (1959)	7886	Ivanov, R.N. (1958)	7778
Holt, S.J. (1957)	7561 8232	Ives, K.J. (1957)	8268
Holt, S.J. (1959)	8592	Ivlev, V.S. (1958)	7747
Holtedahl, H. (1959)	8113	Ivlev, V.S. & G.G. Galkin (1959)	8533
Honduras. Laws, Statutes, etc. (1959)	8390	Iwai, T. (1958)	7455 8492
Honma, Y. (1957)	8256	Jackman, M.I. (1957)	8289
Honma, Y. (1958)	8133	Jackson, S.W., Jr. (1958)	8261
Honma, Y. & S. Murakawa (1958)	8134	Jacoby, J. (1957)	8272
Horridge, G.A. (1958)	8579	Järnefelt, H. (1958)	7534
Hortobágyi, T. (1958)	8462	Japan. Meteorological Agency (1957)	7982
Hoshi, T. (1958)	7804		
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John, K.R. (1957)	8271	
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Johnson, M.W. (1957)	8427	
Joliot, P. (1959)	8550	
Jolly, V.H. (1958)	7555	
Jonas, R.E.E. (1958)	8632	
Jones, F.R. & G. Pearce (1958)	8409	
Jones, J.D. & G. Krotkov (1959)	7889	
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Jónsson, S. & S. Puiseux-Dao (1959)	8546	
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Kagoshima University. Faculty of Fisheries (1957)	7983	
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Kann, E. (1958)	7542	
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Kawakami, T., K. Mitsuhashi & O. Suzuki (1958)	8110	
Kazihara, T. (1958)	8543	
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Krogius, F.V. (1957)	8621	
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Krotkov, G. (1959)	7889	
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Kruse, T.E. (1958)	8283	
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Kuksa, V.I. (1957)	7968	
Kulp, J.L. (1959)	7676	
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Kusa, M. (1957)	8258	
Kusunoki, K. (1958)	7753	
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Lagler, K.F. (1957)	7749	Lytle, C.F. (1958)	8477
Lagoin, Y. (1959)	7688		
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Leigh, W.H. (1958)	8258	Marfey, C. & R. Sager (1959)	7897
Lejuez, R. (1959)	8547	Margalef, R. (1958)	7545
Lemasson, L. (1957)	7579	Margetts, A.R. (1959)	8594
Lemos de Castro, A. (1958)	8481	Marriage, L.D. (1958)	7646
Leonard, J.W. (1959)	7944	Marshall, N.B. (1959)	8599
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Levring, T. (1959)	7892	Martin, A.V.J. (1957)	7773
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Lewin, R.A. (1959)	7894	Mason, B. (1958)	8508
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Lindroth, A. (1959)	8522 8537	Masselli, N.W. (1958)	7692
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Linton, L.W. (1959)	8591	Matheson, C. (1959)	3008
Lippmann, F. (1958)	8542	Mathieu, Y. (1959)	7689
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Oren, O.H. (1957)	8502	Pierce, M. (1958)	7584
Ornstein, E. (1959)	7508	Pillai, C.M. (1958)	7672
O'Rourke, F.J. (1958)	8208	Pirson, D.A. (1959)	7906
Orr, A.P. (1957)	8211 8225	Pitner, I.J. & L. Provasoli (1959)	7905
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Pageau, G. (1959)	7902	Powell, G.C. (1958)	8244
Paiva, M.P. (1959)	8634	Power, E.A. (1959)	8101
Palekar, V.C. & D.V. Bal (1957)	7718	Power, G. (1958)	7759
Palik, P. (1957)	8142	Prescott, G.W. (1959)	7908
Paldumpis, A.A. (1957)	7564	Preston, R.D. (1959)	7909
Palumbo, R.F. (1959)	7951	Prochazka, J. (1958)	8157
Pankhurst, K.G.A. (1959)	8153	Prokhorov, V.S. (1957)	8171
Papi, F. (1957)	8123	Prosser, C. (1957)	8222
Paquette, R.G. (1958)	7817	Prost, M. (1957)	8198
Park, S.S. (1959)	7891	Protasov, A.A. (1959)	8531
Parke, M. (1959)	7903	Proudman, J. (1958)	8406
Parrish, B.B. & D.P. Sharman (1959)	8597	Provasoli, L. (1959)	7905 7910
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Scheele, M. (1958)	7731
Scheer, B.T. (1957)	8217
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Schlichting, H.E., Jr. (1959)	7915
Schmitz, W.R. (1959)	8465
Schooley, A.H. (1958)	7737
Schrader, T. (1959)	8618
Schultz, V. (1959)	7488
Scotland. Institute of Seaweed Research (1959)	7662
Scott, E.L. (1959)	7677
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Sebestyén, O. (1957)	8466

Sebestyén, O. (1958)	7544
Segerstråle, S.G. (1957)	8230
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Shadin, W.I. (1958)	7557
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Shaposhnikov, V.N., E.N. Kondrat'eva & V.D. Fedorov (1958)	8571 8572
Sharma, J.C. (1958)	7673
Sharman, D.P. (1959)	8597
Shearer, W.M. (1959)	8525
Shenefelt, R.D. (1959)	7678
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Singh, G.P. (1959)	7595
Singh, K.S. & R.M. Lewert (1959)	8471
Singh, T.C.N. (1959)	7916
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Smirnov, N.N. (1959)	8557 8568
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Sogandares-Bernal, F. (1959)	8473
Sogandares-Bernal, F. & R.F. Hutton (1959)	8104
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Sorokin, C. (1959)	7917 7942
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Threinen, C.W. (1958)	7585
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U.S. Laws, Statutes, etc. (1959)	8339 8370 8396 8397 8398
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Vasisht, H.S. (1959)	7594
Vejvoda, M. (1958)	7824
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Verduin, J., E.E. Whitwer & B.C. Cowell (1959)	7681
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Vernet-Cornubert, G. (1958)	8125
Vladimirskaia, M.I. (1959)	8534
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Wagner, L.P. (1958)	8499
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Walden, R.G., D.D. Ketchum & D.N. Frantz (1957)	7794
Walker, F.T. (1958)	7665
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Wanie, B.A. & C.W. Threinen (1958)	7585
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Western Australia. Laws, Statutes, etc. (1958)	8299 8300 8324
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Westervelt, C.A., Jr. & E.N. Kozloff (1959)	8483
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Wheeler, A.C. (1958)	7814
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Woolcott, W.S. (1957)	8267
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Yentsch, C.S. (1959)	7930
Younger, R.R. (1958)	7586
Youngs, W.D. (1958)	7651 8250
Zaitseva, Ie.D. (1958)	7751
Zalensky, O.V. & V.L. Komarov (1959)	7931
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Zarnecki, St. (1959)	8535
Zavarzin, G.A. (1958)	8575 8576
	8604 8605
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Ziegelmeier, E. (1957)	8014
Zilliox, R.G. & W.D. Youngs (1958)	8250
Zobairi, A.R.K. (1958)	7750

Anonymous (1957)	7580 8197
	8259

Anonymous (1958)	7717 7723
to	7727 7742 7743
	7807 7962 8467

Anonymous (1959)	7459 7460
	7462 7463 7507 7598
to	7645 7655 7674
	7679 7680 7714 7837
	7840 7841 8006 8017
	8019 to 8100





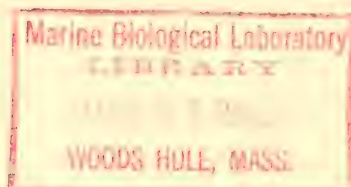


FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS  
Viale delle Terme di Caracalla, Rome, Italy

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CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES

Prepared by  
Biology Branch, Fisheries Division



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Curr.Bibliogr.aquat.Sci.Fish., 2(10)

Rome, December 1959

containing: taxonomic index 2(8), geographic index 2(8), references  
citation- & author index to, 59-8665 - 59-9864

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[2.1(2)]





# Errata

	<u>Proc.Linn.Soc.Lond.,</u>	should read	<u>Proc.Linn.Soc.L.S.,</u>
59-6128			
6174	demarsal	" "	demersal
6616	of the the Sea	" "	of the Sea
6617	hydrozoa	" "	Hydrozoa
6693	La <u>Laminaria</u>	" "	<u>Laminaria</u>
6828	microorganisms	" "	microorganisms
6836	Aplysia	" "	<u>Aplisia</u>
6894	fur sea	" "	fur seal
6936	escallop	" "	scallop
7013	Bangos	" "	bangos
7018	} Vaas, A. & van Oven	" "	Vaas-van Oven, A.
7019		" "	
7031	seet	" "	seed
7051	See 59-	" "	See 52-7052
7052	Note referring to 59-a0051	" "	Note referring to 59-C051
7065	Macnane, W.	" "	Macnae, W.
7112	<u>Misgurinus</u>	" "	<u>Misgurnus</u>
7119	<u>Hydrurga leptonyx</u>	" "	<u>Hydrurga leptonyx</u>
7211	Faerpers	" "	Faeroes
7270	<u>Gymnolaemata</u>	" "	Gymnolaemata
7275	<u>Raja clovata</u>	" "	<u>Raja clavata</u>
7395	<u>Isu us</u>	" "	<u>Isurus</u>
7961	(1959)	" "	(1957)
5614	Eighty	" "	Eighth

Author index 2(9)

2(10):A1

" "

2(9):1

59-7264 Bryocampus reported twice, please cross out one.

Please delete numbers: 59-1925, 59-6990, 571023, 59-2230,  
59-7846, 59-7978, 59-8496

59-7538 Translation of title should read: "On the investigations of  
zoobenthos in ....."



# Addenda

Idler, D.R. & 59-8628

H. Tsuyuki (1958)

Canad.J.Biochem.Physiol., 36:783-91  
Biochemical studies on sockeye salmon  
 during spawning migration - I.  
 Physical measurements, plasma  
 cholesterol, and electrolyte levels

(issued as: Stud.Stas.Fish.Res.Bd Can.  
 1958(520) ). Physical measurements on  
 all major organs & tissues of a pure  
 race of migrating adult Oncorhynchus  
nerka, Fraser River stock. Results are  
 discussed in relation to the findings  
 of others on salmonidae.

FAO:dri

MF

MacLeod, R.A. & 59-6697

E. Onofrey (1957)

J.cell.comp.Physiol., 50(3):389-401  
Nutrition and metabolism of marine  
bacteria - III. The relation of sodium  
and potassium to growth

(issued as: Stud.Stas.Fish.Res.Bd Can.,  
 1958(516) ). Experiments with B<sub>9</sub> - a  
Flavobacterium -, B<sub>10</sub> - a Coryne-  
bacterium, genus Pseudomonas -, B<sub>16</sub> -  
 a Mycoplasma, genus Pseudomonas or  
Spirillum. Other papers in this series  
 are 59-5726 & 582031.

FAO:sjh

M

Kerswill, C.J. (1958) 59-8624

Atl.Adv., 48(8):3-8

Effects of DDT spraying in New  
Brunswick on future runs of adult  
salmon

(issued as: Stud.Stas.Fish.Res.Bd Can.  
 1958(525) ). Review of situation  
 regarding Salmo salar fishery.

FAO:sjh

MF

Tarr, H.L.A. (1958) 59-8626

Annu.Rev.Biochem., 27:223-44

Biochemistry of fishes

(issued as: Stud.Stas.Fish.Res.Bd Can.,  
 1958(517) ). Comprehensive review of  
 literature - since previous review in  
 1937 - up to October 1957. Sections on  
 proteins, non-protein nitrogen, nucleic  
 acids, phospholipids, enzymes, nutrition,  
 & also on sterols of marine  
 invertebrates - molluscs, echinoderms,  
 crustacea, coelenterates &  
 protochordates.

FAO:sjh

MF

Chartier, J., F.W. Van 59-8619

Klaveren & G. Vaillancourt (1958)

J.Chromat., 1:317-26

Amino acid analysis by horizontal  
paper chromatography

(issued as: Stud.Stas.Fish.Res.Bd Can.  
 1958(531) ). Various modifications of  
 the circular paper chromatographic  
 method for the quantitative  
 determination of amino acids in  
 protein hydrolysates have been  
 investigated.

FAO:lc

G



Macleod, R.A. et al. (1958) 59-8570  
J. Biol. Chem., 232(2): 329-34  
 Observations on the function of sodium  
 in the metabolism of a marine bacterium  
 (Issued as: Stud. Stas Fish. Res. Bd Can.,  
 1958(533) ). Experiments with organisms  
 identified as sp. of either  
Pseudomonas or Spirillum.

Wood, J.D. (1958) 59-8631  
Canad. J. Biochem. Physiol., 36:833-8  
 Biochemical studies on sockeye salmon  
 during spawning migration - IV. The  
 non-protein nitrogenous constituents  
 of the muscle

Co 59-8630. (issued as: Stud. Stas Fish.  
Res. Bd Can., 1958(532) ).

FAO/1432

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FAO/1432

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Idler, J.R. & I. Bitners (1958) 59-8629  
Canad. J. Biochem. Physiol., 36:793-8  
 Biochemical studies on sockeye salmon  
 during spawning migration - II.  
 Cholesterol, fat, protein, and water in  
 the flesh of standard fish

Co 59-8628. Biochemical studies of  
Oncorhynchus Fraser River stock.  
 (Issued as: Stud. Stas Fish. Res. Bd Can.,  
 1958(536) ).

Macleod, R.A., M.D.L. Jonas & J.R. McBride (1958) 59-8632  
Canad. J. Biochem. Physiol., 36:1257-68  
 Variations in the sodium and  
 potassium content of the muscle  
 tissue of Pacific salmon with  
 particular reference to migration

(Issued as: Stud. Stas Fish. Res. Bd Can.,  
 1958(547) ). Further confirmation of  
 observations made previously on  
Oncorhynchus tshawytscha on the  
 Pacific coast of Canada. Study also  
 of O. kisutch & O. kisutch.

FAO/1432

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FAO/1432

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Bunce, D. & H.L.A. Tarr (1958) 59-8628  
Canad. J. Biochem. Physiol., 36:797-808  
 Biochemical studies on sockeye salmon  
 during spawning migration - III.  
 Changes in the protein and non-protein  
 nitrogen fractions in muscles of  
 migrating sockeye salmon

Co 59-8629. (issued as: Stud. Stas Fish.  
Res. Bd Can., 1958(537) ).

Bunce, D. (1958) 59-8652  
J. Protozool., 5:381-384  
 Freshwater ciliates Wolczynskia  
lenticularis - Membrane and  
 protein structures

(Issued as: Stud. Stas Fish. Res. Bd Can.,  
 1958(552) ). The ciliate sp. is  
 isolated from pond cultures.

FAO/1432

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FAO/1432

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Neave, F. (1958) 59-8623

Trans.roy.Soc.Can., 52(3), 25-39

The origin and speciation of  
Oncorhynchus

(issued as Stud.Stis.Fish.Bas.Ed.Can.,  
1958(551) ). Essay on differentiation,  
distribution, isolation, rate of  
evolution, maintenance of separation,  
speciation.

FAO:sjh

MF

Billings, W.D. (1957)

570130

Annu.Rev.Pl.Physiol., 8:375-92

Physiological ecology

General review of recent literature up  
to 30th Oct., 1956. Incl. section on  
eco-system, growth, development &  
productivity in which reference is  
made to studies of marine & freshwater  
areas.

FAO:sjh

MF

Kristensen, I. (1957)

59-3690

Levens Nat., 60(2):39-41

La gerronerie d'Elleferro, Torpedo  
marmorata Risso (The electric ray  
Torpedo marmorata Risso)

EA 33(11)43526. Mention of a specimen,  
50 cm long, caught north of the Isle  
of Terschelling, Netherlands, on Oct.  
15th, 1956, & other North Sea records.

aba

M

Prasad, R.R. (1958)

59-5658

Proc.Indian Acad.Sci., 47B(1), 111-7

A note on the occurrence and feeding  
habits of Noctiluca and their effects  
on the plankton community and  
fisheries

EA 33(4)12791. Effects are more  
adverse than beneficial. Rapid grazing  
down of diatoms & exclusion of other  
zooplankters result in an almost  
monospecific population of these  
obnoxious cystoflagellates which  
adversely effects the important  
fisheries for sardines, anchovies,  
mackerel, etc. Transient swarms do not

Tamiya, H. (1957)

571600

Annu.Rev.Pl.Physiol., 8:309-34

Mass culture of algae

General review of recent literature up  
to June 1956. Incl. reference to  
Chlorella, Scenedesmus, Ankistrodes  
Ankistrodesmus, Hydrodictyon,  
Ulothrix, Hormidium. Sections on  
utilization of algal cells, economic  
appraisal, algal culture of N-fishing  
spp., outdoor & laboratory culture.

FAO:sjh

FG

59-5658

(Card 2)

seriously affect either the plankton  
community or fisheries.

aba

Asolan, L. (1937) 59-1636  
Ann. Soc. Sci. Japonais, 12(7): 173-7  
 La perche japonaise ou grémille  
 (Acerina cernua L.) peut être gardée en  
 aquarium et servir à des recherches  
 physiologiques (The gudgeon perch  
 or ruff, Acerina cernua L., kept in an  
 aquarium and used for physiological  
 research)

BA 33(4)15976. It is a remarkably  
 hardy sp. & well suited for  
 experimental work.

Parrott, A.W. (1958) 59-5041  
Rec. Domin. Mus. Wellington, 3(2): 109-19  
 Fishes from the Auckland and Campbell  
 Islands

BA 33(4)16021. Based on examination of  
 a small collection of fishes brought  
 back by the Cape Expedition 1942-44.  
 34 specimens belong to 6 spp., 5  
 previously recorded from the regions,  
 & Linnichthys rendalli. Descriptive  
 notes, notes on variability -  
 especially in 2 spp. of Notothenia &  
 in Forsterygion varium - notes on  
 distribution, etc. Eovickus  
psychrolutes is recorded for the 1st

Grey, M. (1958) 59-1636  
Fieldiana, Zool., 39(16): 149-83  
 Descriptions of abyssal benthic fishes  
 from the Gulf of Mexico

BA 33(4)15991. Single bottom haul by  
 OREGON in Gulf of Mexico at Station  
 1303, 28 47'N, 87 50'W, May 26, 1955,  
 in 1150-1200 fathoms, yielded 72 fishes  
 belonging to 7 families, 14 genera, &  
 17 spp., 11 of the spp., incl. 2 new  
 forms, Crimatroctes bullisi & Dicrolena  
kanazawai, were previously unknown from  
 the Gulf & of these, 7 were also  
 unknown from the Western Atlantic.  
 2 of the genera are recorded from the

59-5041  
 (Card 2)  
 time since the original type was  
 taken.

59-1636  
 (Card 2)  
 Western Atlantic for the 1st time,  
Crimatroctes Parr & Narcetes Alcock.

Smith, J.L.B. (1958) 59-6741  
Ann. Mag. nat. Hist., Ser. 13, 1(2): 156-60  
 Tetraodont fishes from south and  
 east Africa

BA 33(4)16029. Chelonodontops -  
Tetraodontidae - & its type C.  
pulchellus from Xora Mouth, Transkei,  
 are described, with discussion of  
Arothron & key & notes on 9 African  
 spp., incl. A. inconditus from Algoa  
 Bay.



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Mori

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FAO:sjh

MF

Please add in the annotations of the following numbers: WFA 11(1)

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59-6618	Re	59-9796	
59-6847	Re	59-9411	
59-7004	CR	59-9669	
59-7006	CR	59-9673	
59-7010	CR	59-9647	
59-7011	Ab	59-9637	
59-7012	CR	59-9648	
59-7013	Ab	59-9638	
59-7015	Ab	59-9640	
59-7017	Ab	59-9641	
59-7018	CR	59-9634	
59-7019	CR	59-9635	
59-7020	Ab	59-9642	
59-7028	Ab	59-9650	
59-7031	Ab	59-9644	
59-7034	Ab	59-9645	
59-7035	Ab	59-9646	
59-8545	Co	59-9233	
59-8905	<u>Fr</u>	59-8929	<u>Es</u> 59-8935
59-8917	<u>Fr</u>	59-8941	<u>Es</u> 59-8942
59-8918	<u>Fr</u>	59-8930	<u>Es</u> 59-8936
59-8919	<u>Fr</u>	59-8931	<u>Es</u> 59-8937
59-8920	<u>Fr</u>	59-8932	<u>Es</u> 59-8920
59-8921	<u>Fr</u>	59-8933	<u>Es</u> 59-8939
59-8922	<u>Fr</u>	59-8934	<u>Es</u> 59-8940
59-8945	Co	59-8946	
59-8946	Co	59-8947	
59-8947	Co	59-8948	
59-8948	Co	59-8949	
59-8949	Co	59-8950	
59-9461	Re	59-9233	
59-9500	Re	59-9501	
59-9506	Re	59-9507	
59-9508	Re	59-9510	
59-9722	Re	59-9723	
59-9737	Co	59-9738	
59-9797	Re	59-9798	
60-0485	CR	59-9652	

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1,00	FISHES, GEN.	6646	6651	6725
		6749	6781	6782
		6785	6822	6823
		6956	6996	7030
		7055	7128	7130
		7140	7273	7353

1,01	Amphioxus			7121
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1,02	Lampetra		6709	7173
	Petromyzon	7176	7216	7289

1,05	HEXANCHIFORMES			6740
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1,06	LAMNIFORMES			6740
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1,07	Isurus			7395
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1,08	CARCHARHINIDAE			6740
	Galeorhinus		6902	7152
	Mustelus			7395
	Negaprion	7180		7348
	Scyllium			6686

1,09	SQUALIFORMES			6740
	Squalus			7410

1,10	Aetobatus			7395
	Raja		6686	7273

1,14	Protopterus		6686	6893
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1,17	ACIPENSERIDAE			7187
	Polyodon			7083

1,18	Amia			7292
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1,21	Anchoviella			7359
	Clupea harengus		6674	6675
		6676	6698	6910
		7240	7350	7366
		7403	7408	7409
	Clupea sprattus	6698		6927
	Dorosoma			6889
	Engraulis encrasicolus			7139
		7267		
	Hilsa			7039
	Konosirus			7115
	Sardina			6933
	Sardinops caerulea			7310
	Sardinops melanosticta			7379

1,22	Chanos	7013	7014	7015
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1,23	Cristivomer			6940
	Hypomesus			6908

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	Oncorhynchus, gen.			7032
	Oncorhynchus gorbusha			6700
		6901	7380	
	Oncorhynchus kisutch			4551
		4552	6011	6025
		7213		6031

Oncorhynchus nerka	6687	6800
	6813	6843
	6844	7094
	7225	

Oncorhynchus tshawytscha	6686
	7085
	7101

Oncorhynchus sp.	6853
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Salmo clarkii	7108
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Salmo gairdnerii	6688	6694
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	6701	6710
	6722	6882

	7081	7092
	7096	7112

	7113	
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Salmo salar	7138
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Salmo trutta	6710	6713
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	6947	7317
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SALMONIDAE	6614	6715
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	7214	7221
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Salvelinus fontinalis	6796
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	6797	6877
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Salvelinus malma	7090
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1,24	Esox			6679
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1,40	Abramis	6931	7052
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Acheilognathus	7115
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Carassius	6797	6945
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	7112	7185
	7186	7215

Catostomus	6797
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CYPRINIDAE	7187
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Cyprinus	6792	6815
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	to	7019
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	7055	7111
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	7158	to
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	7242	7161
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Hybognathus	7102
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Ictiobus	6694
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Labeo	6955
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Labeo	7112
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Notemigonus	7293
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Notropis	6891	7361
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Pimephales	7079	7102
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Rhodeus	7109
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Richardsonius	7081
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Rutilus	6947	7052
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Scardinius	7052
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Tinca	6881	6947
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1,41	Ameiurus	6694	6797	7343
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Ictalurus	6719	7293	7343
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Mystus	6955	6999
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1,41	(continued)		
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1,43	<i>Anguilla anguilla</i>	7408	
	<i>Muraena</i>	7290	
1,47	<i>Cololabis</i>	7068	
	<i>Xenentodon</i>	6962	
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	<i>Gadus morhua</i>	6638 6639	6685
		6686 6698	6798 6799
		6801 7220	7259 7314
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	<i>Melanogrammus</i>	6757	6799
		6879 7349	7396 7407
	<i>Merluccius gayi</i>		6840
	<i>Merluccius hubbsi</i>		7268
	<i>Merluccius merluccius</i>		6698
		7396	
	<i>Pollachius</i>	6698	7396
1,50	<i>GASTEROSTEIDAE</i>		6613
	<i>Gasterosteus</i>		6958
	<i>Spinachia</i>		7120
1,51	<i>CENTRISCIDAE</i>		6613
1,57	<i>Anableps</i>		6874
	<i>Anatolichthys</i>		7262
	<i>Aphanius</i>		7162
	<i>Fundulus</i>		6730
	<i>Gambusia</i>		7102
	<i>Kosswigichthys</i>		7262
	<i>Lebistes</i>		7079
	<i>Oryzias</i>		6959
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1,61	<i>Holocentrus</i>		7114
1,62	<i>CAPROIDAE</i>		6613
	<i>ZEIDAE</i>		6613
1,65	<i>ATHERINIDAE</i>		6613
	<i>Liza</i>		7115
	<i>Mugil</i>	7031	7127
1,70	<i>Aequidens</i>		7364
	<i>Ambloplites</i>	6604	736
	<i>BRAMIDAE</i>		6613
	<i>Caranx</i>		7359
	<i>Chaenobrythus</i>		7293
	<i>CHAETODONTIDAE</i>		6613
	<i>CICHLIDAE</i>	7156	7352

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		7364	
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	<i>Mylio</i>		6903
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	<i>Perca fluviatilis</i>		7052
	<i>Pikea</i>		6706
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	<i>Scarus</i>		7290
	<i>Seriola</i>		7070
	<i>Serranellus</i>		7354
	<i>Sparisoma</i>		7290
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1,71	<i>Anarhichas</i>		6875
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	<i>Stathmonotus</i>		7120
1,72	<i>Ammodytes</i>		7349
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	<i>OPHIDIIDAE</i>		6613
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1,74	<i>Trichiurus</i>		6900
1,75	<i>Makaira</i>		7025
	<i>Rastrelliger</i>	6685	7043
	<i>Sarda</i>		7123
	<i>Scomber scombrus</i>		7283
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1,76	<i>NOMEIDAE</i>		6613
	<i>Osphronemus</i>		7032
	<i>STROMATEIDAE</i>		6613
1,77	<i>Bathygobius</i>		7351
	<i>Doleophthalmus</i>		6955
	<i>Eleotris</i>		7115
1,78	<i>Cottus</i>		6796
	<i>CYCLOPTERIDAE</i>		6613
	<i>Leptocottus</i>		6702
	<i>Sebastes</i>		7407
	<i>Trigla</i>		6930
1,80	<i>Auxis</i>		6673



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	<i>Germo</i>	7010	7023	
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	<i>Neothunnus</i>	6816	7028	
	<i>Parathunnus</i>	7026	7027	
	<i>THUNNIFORMES</i>	6708	6926	7012
		7037	7143	
	<i>Thunnus thynnus</i>	6933	7143	
1,83	<i>Lepidorhombus</i>		6930	
	<i>Platichthys</i>	6702	6732	
	<i>Pleuronectes microcephalus</i>		7255	
	<i>Pleuronectes platessa</i>		7144	
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	<i>Rhombus</i>	7125	7126	
	<i>Solea</i>		7396	
	<i>Zeugopterus</i>		6930	
1,86	<i>Rhynchobdella</i>		6962	
1,90	<i>TETRAODONTIDAE</i>		6741	
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		6762	6775	6789 6790
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		6912	6929	6932 6933
		6937	6941	6949 6993
		7003	to	7009 7011
		7021	7022	7034 7035
		7040	7044	7045 7050
		7051	7068	7074 7076
		7080	7084	7088 7091
		7106	7118	7122 7134
		7162	7164	7165 7171
		7184	7217	7222 7228
		7241	7245	7252 7253
		7256	7258	7272 7285
		7316	7319	7321 7335
		7356	7357	7358 7362
		7365	7368	7369 7377
		7378	7384	7385 7386
		7389	7406	7433 7434
		7435		

2,00	<i>CRUSTACEANS, GEN.</i>	6651	6749
		6773	6776 6778 6781
		6782	6783 6785 6821
		6831	6833 6888 6956
		6996	7030 7047 7055
		7063	7065 7128 7130
		7131	7140 7296 7345
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2,05	<i>CLADOCERA</i>	6617	7443
	<i>Daphnia</i>	7110	7288
2,06	<i>OSTRACODA</i>		7442
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	<i>Leptocythere</i>		7263
	<i>Lymnocythere</i>		7263
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	<i>Eryocamptus</i>		7264
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	<i>Chondracanthus</i>		6623
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	<i>Eucalanus</i>		6952
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	<i>Parapontella</i>		7266
	<i>Pontella</i>		7266
	<i>Pontellina</i>		7266
	<i>Pontellopsis</i>		7266
	<i>Porcellidium</i>		7053
2,12	<i>CIRRIPIEDIA</i>		7146
2,13	<i>Balanus</i>		6616
2,19	<i>Anaspides</i>		6876
	<i>Bathynella</i>		6876
	<i>Paranaspides</i>		6876
	<i>Parabathynella</i>		6876
	<i>Koonunga</i>		6876
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	Mesidotea			6765			Vivipara	1516	6954
2,24	AMPHIPODA			6735		3,11	Archidoris		6621
	Gammarus			7275			OPISTHOBRANCHIATA		7452
	Niphargus			7265			Philine		7372
2,25	Lysiosquilla			6965		3,12	Australorbis		7326
	Squilla			6965			ELLOBIIDAE		6957
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	7170						Physa		7344
	Thysanoessa			6045			Stagnicola		7344
2,27	DECAPODA			7117		3,13	PELECYPODA	6847 6852	7373
2,28	Alpheus			7345		3,14	Crassostrea	7064 7151	7405
	Leander			6608			Mytilus		7273
	NATANTIA	6755 7115		7165			Ostrea	6682 7227	7292 7405
	Palaemon		6632	7445			OSTREIDAE		6847 6851
	Pandalus		6635	6945			Pecten		6683 6936
2,29	Cancer			6680			Pinctada	6827	7381
	Carcinus			7144			Placopecten		7089
	Helice			7324		3,17	Arctica		7226
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	Hemiplax			7305			Petricola		7275
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	Panulirus			7305			Scrobicularia		7275
	Polyonix			7305		3,21	Architeuthis		8610
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		6672 6689 6724		7775		3,99	MOLLUSCS, MISC.	6642 6651 6661	
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		to 6867 6873		6894				6838 6845 6864 to	
		6933 7118 7122		7134				6867 6873 6933 7118	
		7171 7224 7245		7252				7122 7164 7171 7228	
		7253 7272 7335		7312				7245 7252 7253 7272	
		7369 7389 7404						7289 7335 7342 7369	
								7389 7404	
3,00	MOLLUSCS, GEN.	6749 6773		6776		3,00	MAMMALS, GEN.	6725 6750	
		6778 6781 6782		6783					
		6785 6821 6824		6831		3,01	Antax		7425
		6833 6888 6956		7005		3,02	Arctocephalus	6894 7119	
		7030 7047 7055		7055			Callorhinus		7429
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		7140 7296 7345		7371			Hydrurga		7119
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	Phocaena	7413	7415		Dicotyocotyle		7073
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	7422				DIGENA		7278
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					Schistosoma		7449
5,12	Rana		6717		ERINACEOTREMA		7435
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					Echinobothrium		7395
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	CHELONIA		7219	6,31	Lineus		6731
	Chelonia		6758				
	Kinosternon		6863	6,33	NEMATODA		6774
5,34	Amblyrhynchus		6824	6,37	ROTATORIA		7440
5,62	PHALACROCORACIDAE		6862	6,42	ECTOPROCTA	6618	7270
5,87	BIRDS, AQUATIC	6929	7237	6,43	BRACHIOPODA		6618
	7336				Macandrevia		6631
5,91	ENTEROPNEUSTA		6813	6,44	PHORONIDEA		6618
5,93	POGONOPHORA		6813	6,45	CHAETOGNATHA		6318
5,98	CHORDATA, GEN.		6725	6,46	POLYCHAETA		7035
6,03	Globigerina		7181	6,50	Arenicola		6637
6,09	GILIATA		7147		Armandia		6953
6,11	Loxodes		7149		Polydora		6682
	Paramaecium		7149	6,52	GEPHYREA		6618
	Tentor		6964	6,56	Limulus		7060
6,16	COELENTERATA		6834	6,60	INSECTA	6654 6655 7297	7337
6,17	Craspedacusta		7438	6,87	Chironomus		6906
	HYDROZOA		6617		Culex		7286
	Physalia		7058		Prosimulium		6733
	Tetraplatia		6634		TENDIPEDIDAE		7020



6,91	<i>Asterias</i>		7320	
6,93	<i>ECHINOIDEA</i>	6837	6965	
	<i>Echinus</i>		6633	
6,97	<i>INVERTEBRATES, AQUATIC</i>		6651	
		6689	6749	6773
		6776	6778	6781
		6783	6785	6787
		6790	6821	6825
		6828	6830	6831
		6845	6888	6956
		7030	7047	7055
		7065	7122	7128
		7140	7141	7146
		7296	7342	7345
		7404		7371
7,00	<i>ALGAE, GEN.</i>	6651	6664	6665
		6668	6684	6749
		6793	6817	6819
		6828	6839	6996
		7047	7055	7065
		7140		7132
7,06	<i>Chlorella</i>	6734		7061
	<i>Scenedesmus</i>			7223
7,16	<i>DESMIDIACEAE</i>			6951
7,32	<i>Chromulina</i>			6630
7,65	<i>DINOFLAGELLATA</i>			7129
7,67	<i>Peridinium</i>			6998
7,70	<i>Euglena</i>	6944		7061
7,77	<i>Laminaria</i>	6693		7117
7,80	<i>Fucus</i>			6693
7,81	<i>RHODOPHYCEAE</i>			6624
7,85	<i>Gelidium</i>			6693
7,86	<i>Dilsea</i>			6693
7,87	<i>Chondrus</i>			6693
	<i>Iridaea</i>			6693
7,99	<i>ALGAE, MISC.</i>	6652	6670	6696
		6818	6829	6883
		7122	7289	7374
				7375
8,01	<i>Bacillus</i>			7061

8,01	<i>BACTERIA</i>	6670	6697	6819	6826
		6828	6877	7289	
	<i>Pseudomonas</i>				6884
8,94	<i>Candida</i>				7061
8,99	<i>FUNGI, MISC.</i>				7289
9,43	<i>Cymodocea</i>				7064
	<i>Diplanthera</i>				7064
	<i>Halophila</i>				7064
	<i>Thalassia</i>				7064
	<i>Zostera</i>				6681
9,47	<i>Phragmites</i>				7244
9,51	<i>Typha</i>				6666
9,91	<i>Tithonia</i>				7018
9,97	<i>AQUATIC EMBRYOPHYTES</i>	6651		6664	
		6665	6728	7244	7374
	<i>HIGHER PLANTS, AQUATIC</i>	6651		6728	

100	AFRICA		6746	7171					
113	Morocco		6933	7389					
132	Uganda			7373					
144	Ghana			6873					
151	Angola			6741					
154	Union of S.Africa	6740	6741						
		6744	6745	7064	7261				
155	Mozambique	7062	to	7065					
200	NORTH AMERICA			7171					
210	<u>Canada</u>	6723	6730	6757	6799				
		6853	6902	7249	7261				
		7341							
211	Canadian Arctic			7233					
212	British Columbia	6702	6800						
		6813	6901	7081	7225				
214	Ontario	6728	6796	6804					
215	Quebec	6761	7314	7316					
216	Labrador			7375					
216	Newfoundland			7375					
217	New Brunswick		7226	7227					
217	Nova Scotia	6662	6798	7227					
220	USA ( <u>Alaska</u> )	6659	6700	6701					
		7197	7304	7429					
230	<u>USA</u>	6730	6757	6803	6853				
		6912	7005	7077	7078				
		7082	7118	7249	7261				
		7289	7341	7398					
231	USA, N.W.		6688	6901					
231	Idaho			6937					
231	Oregon	6652	6691	7092	7294				
		7388							
231	Washington State	6652	6755						
		6762	6813	6843	6844				
		7075	7388						
232	Arizona			6658					
232	California	6652	6660	6689					
		6753	6888	7116	7203				
		7286	7388						
233	Montana	6713	6714	7088					
234	Iowa	6889	7385	7386					
234	Kentucky		6709	6735					
234	Michigan			6941					
234	Minnesota			7106					
234	Missouri			7384					
234	Wisconsin		6805	7339					
235	Louisiana		7076	7342					
235	Mississippi			6890					
235	Oklahoma		6703	7443					
236	USA, New England			7420					
236	Connecticut		7292	7413					
236	Maine			6721					
236	Massachusetts			7405					
237	Delaware			7405					
237	New Jersey			6661					
237	New York	6663	6809	7113					
237	Pennsylvania			7344					
238	USA, S. Atlantic States			7095					
238	N. Carolina		6868	6870					
238	S. Carolina	6868	6870	6871					
		7442							
238	Georgia		6868	6870					
238	Florida	6729	6868	6870					
		7376	7421	7451					
240	<u>Bermudas</u>			6677	7359				
250	<u>Greenland</u>			7210					
300	LATIN AMERICA		6746	7171					
311	Mexico	6705	6842	6868	6870				
		7310	7387						
321	Br. Caribbean Federation			6758					
322	Cuba			6872					
341	Galapagos Is.			6894					
343	Chile	6774	6840	6864	to				
		6867							
351	Brazil	6739	7378	7412	7439				
		7449							
353	Argentina			7268					
400	ASIA		6746	6942	7171				
413	Israel	7241	to	7244	7371				
415	Yemen				7272				
423	India	6896	6897	6952	6953				
		6956	6957	6962	6998				
		7006	7007	7031	7055				
		7145	7146	7164	7434				
		7446							
424	Ceylon			7032					
425	E. Pakistan			7369					
431	Burma		6748	6749					
432	Thailand			6748					
433	Malaya		6748	7034					
433	Singapore			6748					
434	Indonesia	6748	7004	7016					
		7017	7018	7021					
434	Java			7020	7335				
435	New Guinea (Neth.)		6986	7035					
436	Sarawak			7423					
437	Philippines		7022	7435					
438	Indochina			6748					
438	Cambodia			7050					
438	Vietnam			7009					
441	Chinese People's Republic			6748					
		7184	7186						
442	Hong Kong			7033					
444	Korea			6748					
451	Japan	6908	6982	6990	7068				
		7073	7111	7115	7134				
		7235	7236	7261	7320				
		7379							

451	Japan, Honshu		6071	
500	EUROPE		6746	7171
511	Denmark	6684	7210	7212
		7245 7248	7252	7253
		7261		
512	Faroe Is.		7211	7212
514	Norway	6668 6810	6838	7235
		7236 7245	7248	7252
		7253 7261	7409	
517	Finland		6726	
521	Netherlands	7235	7236	7245
		7248	7252	7253
522	Belgium	7245	7248	7252
		7253	7261	
524	France	6616	6617	6712
		6845	6927	6928
		6931	6932	6936
		7248	7252	7253
			7261	
531	Ireland	6637	6681	6683
		6814	6815	6951
532	United Kingdom		6910	7142
		7212	7235	7236
		7248	7252	7253
		7309	7436	
533	England	6632	6637	6641
		6674	6675	6682
		7273	7275	7278
		7289	7333	7334
		7424		7419
533	Wales		7120	
534	Scotland	6637	6680	6698
		7117	7170	7374
542	Spain	6642	6712	6793
		7383		7261
543	Italy	7135	7136	7137
543	Sicily			7140
547	Malta and Gozo			7139
551	Yugoslavia		7263	7265
554	Bulgaria	7123	7126	to
		7133	7264	
556	Turkey		7262	7321
561	Germany	7245	7248	7252
		7253	7256	7261
		7440		7408
561	Federal Republic of Germany			7440
563	Austria			7440
571	German Democratic Republic			7440
572	Poland	7158	7432	7433
		7440		
573	Czechoslovakia	6808		7317
		7440		
600	OCEANIA			7171

610	Australia	7151	7152	7153
		7235	7236	7318
612	Western Australia			6752
614	Victoria			6903
615	New S. Wales			6904
618	Macquarie I.			7319
620	New Guinea Trust Territory			
			6986	7035
621	N.E. New Guinea		6986	7035
624	Papua			7035
630	New Zealand	6883	7169	7394
		7395		
641	Fr. Oceania		7167	7168
641	Society Is.			7001
660	USA (Hawaii)	6673	7001	7036
700	USSR			7202
710	Russian FSSR	6921	7235	7236
		7304		
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816	Temperate Zones			7351
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		7323	7324	
863	Fr. Community			6943
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AN	Atlantic, N.	7181	7192	7211
		7250	7396	
ANW	Atlantic, N.W.		6652	6706
		7251	7405	7406
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		7231		
ANW.06	Chesapeake B.			7404
ANW.07	B. of Fundy			7183
ANE.02	Barents Sea		6638	6639
ANE.04	North Sea	6676	6899	6981
		7403		
ANE.05	Baltic Sea			6972
ANE.06	G. of Bothnia			7313
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ASW	Atlantic, S.W.		6706	7452
ASW.01	G. of Mexico	6652	6754	7417
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ASE.10	Black Sea	6669	6915	6921
		7125	7127	7129
		7133	7266	7267



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	7074 7174 7398		
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	7189 7199 7228		
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	7071 7072 7073		
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	6807 6846 6974		6986
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	7027 7122 7167		7168
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PN	<u>Arctic Ocean</u>	6668 6669	
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	6716 6727 6963		7229
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representing 3 different spp. of  
Xanthidae. Extent of variability of this  
common rhizocephalan is reported.

:ba

M

McPherson, J.H. (1957) 59-8706  
W.Aust.Nat., 5(7):191-204  
A review of the genus Coxiella Smith,  
1894, sensu lato.

BA 32(8)28930. Nine spp. of Coxiella  
& Coxielladda - Hydrobiidae, mollusca -  
are monographed with descriptions,  
ranges, references & synonymies.

:ba

MF



Paraense, W.L. & 59-8707

N. Deslandes (1957)

Rev.bras.Biol., 17(3):339-44

The Brazilian species of Drepanotrema -  
III. D. depressissimum (Loricand, 1937)

BA 32(8)28934. This planorbid is defined anatomically & its diagnostic characters given.

:ba

F

Pinto, S.Y. (1957)

59-8710

Rev.bras.Biol., 17(3):413-20

Sobre a validade do gênero Parablennius Ribeiro, 1915 (Blenniidae, Perciformes, Actinopterygii) (Validity of the genus Parablennius Ribeiro, 1915 - Blenniidae, Perciformes, Actinopterygii)

BA 32(8)28966. Regarded as synonymous with Blennius by Norman.

:ba

M

Robertson, R. (1957) 59-8708

Notul.nat.Acad.Philad., 300:1-10

A study of Cantharus multangulus (Philippi), with notes on Cantharus and Pseudoneptunea (Gastropoda: Buccinidae)

BA 32(8)28937. Study of specimens from Bahamas indicates correct name of sp. known as Muricidea multangula should be Cantharus multangulus. Synonymy & description of shell & animals; discussion of distribution, ecology & taxonomic history.

:ba

M

Whiteley, G.P. (1958)

59-8711

Sidney, Trustees of the Australian Museum, 40 p.

List of type-specimens of recent fishes in the Australian Museum, Sidney

BA 32(8)28976.

Whiteley, G.P. (1957)

59-8712

W.Aust.Nat., 5(7):207-9

A new angler fish

BA 32(8)28977. Antennarius glauerti, Antennariidae, is described from Exmouth Gulf, Western Australia, on the basis of coloration, fin-counts, long first dorsal spine with large illicium & esca.

:ba

M

Motwani, M.P., V.G. Jhingran 59-8709

& S.J. Karamchandani (1957)

Sci. & Cult., 23(1):47-8

On the breeding of the Indian shad, Hilsa ilisha (Hamilton) in fresh waters

BA 32(8)28963. Breeding commences in Ganges with onset of monsoon in July, peak breeding period from Sept. to Dec.

:ba

MF

Sjabri, S. (1957) 59-8713  
Berita Perik., 8(11):171  
"Udang" di Sungai Siak (Shrimps in  
the River Siak, central Sumatra)

Description of the life-history &  
fishing gear. The best crop is obtained  
at the beginning of the wet season.  
During high-time the shrimps are found  
on flocks of sewage, on which they are  
supposed to feed. They float along with  
the stream & are easily captured. Ill.

FAO:kfv

F

Sachlan, M. (1957) 59-8716  
Berita Perik., 8(12):179  
"Kapuas-Hulu" daerah Perikanan jang  
terdjauh di Pedalaman (The upper  
coarse of the River Kapuas, an  
extremely remote fisheries region in  
the interior of Western Borneo)

Description of a journey along the  
river, from Pontianak to Putus Sibau -  
910 km -. This area produces about 13  
13 500 tons of fish/year, caught only  
during August-October, the time the  
weather is falling. Ill.

FAO:kfv

F

Muzirin As. (1957) 59-8714  
Berita Perik., 8(11):173.  
Ikan dujung (The seacow)

Description of the capture-methods,  
with spear, net or basket. The meat &  
tusks are sold.

FAO:kfv

F

Soedibjo, Sj. (1957) 59-8717  
Berita Perik., 8(12):184.  
Sedikit tentang Kima (Tridacnidae)  
(On certain lamellibranchiates)

Ill. description of genera Tridacna &  
Hirpopus. Certain spp. are eaten,  
either cooked or raw.

FAO:kfv

M

Aminuddin, M. (1957) 59-8715  
Berita Perik., 8(11):174.  
Pengaruh tachjul dalam segi Perikanan  
didaerah Kabupaten Kota Waringin  
(On the influence of superstition on  
fisheries in the residence Kota Waringin)

Hampala macrolepidota C.V., Pangasius  
nasutus Blkr. & Osphronemus goramy Lac.,  
readily eaten elsewhere, are supposed  
to be harmful here.

FAO:kfv

F

Eddiwan (1957) 59-8718  
Berita Perik., 9(1-2):21  
The function of fish auction in the  
development of fisheries organization

Description of the advantages of a  
auction by a fishermen's cooperative  
organization in comparison to  
regulations from the districts  
organizations, which force the  
fishermen to sell at certain places  
where high duties are collected, up  
to 5% of the selling price.

FAO:kfv

MF

Moeljono, (1957) 59-8719  
Berita Perik., 9(3-4):42  
Arti pengambilan Kepah di Kuala Bagan  
Asahan, Sumatra Timur (Collecting  
mussels at Kuala Asahan, eastern  
Sumatra)

Description of the gear & capturing  
methods. Part of the catch is sold  
fresh, the remainder is salted & dried -  
"krinting". The shells are burned for  
lime.

FAO:kfv

M

Basrie, (1958) 59-8722  
Berita Perik., 10(2):24  
Perikanan rumah pendjara  
(Fisheries by prisoners)

In the prison in Bandjar Masin,  
S. Borneo, fish ponds are operated.  
The fresh water in this region is  
subject to ebb & flow. The water-level  
is regulated by simple lock-gates.  
Besides Trichogaster pectoralis,  
Helostoma temmincki & Osphronemus  
auramy - the usual fishes in this  
region - Tilapia mossambica & common  
carp are reared.

FAO:kfv

F

Oetomo, S. (1957) 59-8720  
Berita Perik., 9(3-4):31  
Riwayat dan Perkembangan terachir ikan  
Biawan didaerah Kalimantan Timur  
(History and recent development of the  
"Kissing Gouramy" in eastern Borneo)

In 1909 Helostoma was introduced in  
open waters. After 3 years, capture was  
allowed. Export to Java in 1956:  
342 351 kg . Also breeds in ponds now.

FAO:kfv

MF

Sukirna, N. (1958) 59-8723  
Berita Perik., 10(2):27  
Beberapa tjatetan tentang ikan mudjair  
dan perkembangannja di Kalimantan  
Selatan (Notes on the development  
of Tilapia mossambica in Southern  
Borneo)

Until 1957 the import of tilapia in  
S. Borneo was not allowed, as bad  
influence on the existing fish fauna  
was feared. Owing to scarcity of fish  
in the mountain-regions it was allowed  
in 1957. Ponds were constructed &  
tilapia grew very well.

FAO:kfv

F

Aryono, (1957) 59-8721  
Berita Perik., 9(3-4):36  
Pantjing Ladhung di Udjung Timur Pulau  
Djawa (An angling gear, called  
"Ladhung", used at the east coast of  
Java)

Description of the vessel & the gear,  
with special reference to construction.

FAO:kfv

E

Suwetja, N. (1958) 59-8724  
Berita Perik., 10(2):30  
Alat peledak digunakan untuk  
penangkapan ikan di daerah Flores  
(On the use of explosives in fish  
capturing on the Isle of Flores)

In 1957 fisheries with explosives was  
very common. Even among fishermen  
several casualties occurred. As  
evidence seldom could be furnished  
persecution was difficult. In 1958 the  
military governor enforced prohibition  
with marked success.

FAO:kfv

M



Ardiwinata, R.O. (1958) 59-8725  
Berita Perik., 10(3-4):  
Perikanan ekonomis dan sosial  
(Fisheries from an economic and social  
point of view)

A consideration of the way in which the  
old, regional, economy will have to be  
changed into an economy for the whole  
country. An analysis of the social  
status of the fishermen. Suggestions  
to improve capturing methods in order  
to increase fish production of the  
country.

FAO:kfv

MF

Sanusi, R. (1958) 59-8726  
Berita Perik., 10(5):73  
Penangkapan ikan pandjang (Anguilla sp.)  
dibatang Anai (Sumatra Barat)  
(Capture of eels at Batang Anai,  
western Sumatra)

Ill. description of the catch of eels  
by angling with live fish as bait.

FAO:kfv

MF

Soesanto, V. (1958) 59-8727  
Berita Perik., 10(6):79  
Perikanan laut di Tandjung Satai  
(Sea-fisheries at Tandjung Satai)

Description of a castnet & trap in 4  
parts, 3 kinds of boats for castnet-  
fisheries, transport of fish from the  
traps & of the traps themselves.  
Preserving of the product & the making  
of fish-sauce from the gills & contents  
of the intestines. Ill.

FAO:kfv

M

Soekirna, N. (1958) 59-8728  
Berita Perik., 10(6):79  
Pemasukan ikan mas ke Kalimantan  
Selatan (Introduction of Cyprinus  
carpio into Southern Borneo)

In the mountains of Southern Borneo  
the inhabitants suffer from a scarcity  
of fish. Therefore the Extension  
Service introduced common carp from  
Java, & instructed the people how to  
breed them. People willing to build a  
pond were encouraged with an initial  
free issue of fry.

FAO:kfv

F

Pena, M. (1958) 59-8729  
Berita Perik., 10(7-8):108  
Perikanan Buton dikoooperasikan  
(Fisheries on the Isle of Buton, near  
Celebes, have been organised on a  
cooperative basis)

Survey of the activities of the  
cooperation, chiefly consisting in  
marketing. Data on the amounts of  
different spp. marketed & revenues.  
Statistics on the export from Makasar.

FAO:kfv

M

Asnan, (1958) 59-8730  
Berita Perik., 10(7-8):112  
Persuahan "Bubu" diperairan Besuki  
(Fisheries with the "Bubu" off Besuki)

Ill. description of a fish trap,  
installed on the bottom, about 500  
meter from the shoreline. Spp. often  
captured are various Lutjanidae.  
Discussion of the way these fisheries  
may be intensivated.

FAO:kfv

M

Chalid, J.L. (1958) 59-8731  
Berita Perik., 10(7-8):117  
 Tabunganin Selajang Pandjang. Sebuah  
 kampung nelayan ditepi Sungai Barito  
 (A fishermen's village at the River  
 Barito, S. Borneo)

Description of 6 kinds of gear used in  
 the River Barito & in the surrounding  
 marshes. A beginning of fish culture  
 in ponds, Trichogaster trichogaster,  
 has been made.

FAO:kfv

F

Bali, J.M. (1959) 59-8734  
 Thesis, Univ. of Oregon St.Coll., 189 p.  
 Scale analyses of steelhead trout  
Salmo gairdneri gairdneri Richardson,  
 from various coastal watersheds of  
 Oregon

Age and growth.

MF

Oetomo, S. (1958) 59-8732  
Berita Perik., 10(7-8):120  
 Tachjul dalam Perikanan  
 (Superstition in fisheries)

A survey of superstitions in connection  
 with various spp. of fish & capturing  
 methods, with an appreciation of  
 repercussions on the profits of the  
 industry.

FAO:kfv

MF

Bernhardt, R. (1957) 59-8735  
 Thesis, Univ. of Syracuse, 93 p.  
 Growth of the fish in the waters of the  
 Huntington wildlife forest

Age and growth.

F

Jenkins, R.M. (1959) 59-8733  
 Washington, D.C., 80 p.  
 Bibliography of theses on fishery  
 biology

References to 1743 theses accepted by  
 American Universities for higher degrees,  
 arranged by subjects, &, within subjects,  
 alphabetically by authors' names. Those  
 dated 1957 or later, & not previously  
 cited in Curr.Bibliogr.aquat.Sci.Fish.  
 are given in 59-8734 to 59-8904,  
 the annotation being simply subject  
 heading under which they are listed in  
 this document.

FiB:sjh

MF

Bruns, P.M. (1958) 59-8736  
 Thesis, Univ. of Stanford, 83 p.  
 Seasonal changes in growth of the  
 bluegill (Lepomis macrochirus) in Felt  
 Lake

Age & growth.

F

Bulkley, R.V. (1957) 59-8737  
 Thesis, Univ. of Utah,  
 The use of branchiostegal rays to  
 determine age of lake trout (Salvelinus  
namaycush Walbaum)

Age & growth.

Hamer, P.E. (1959) 59-8740  
 Thesis, Rutgers Univ.  
 Age and growth studies of the bluefish  
 (Pomatomus saltatrix Linnaeus) of the  
 New York Bight

Age & growth.

10

11

Cable, L. (1959) 59-8738  
 Thesis, Univ. of Michigan  
 Validity of age determination from  
 scales and growth of marked Lake  
 Michigan lake trout

Age & growth.

Klavano, W.C. (1958) 59-8741  
 Thesis, Univ. of Oregon St. Coll.  
 Age and growth of fish from Oregon, 41  
 farm ponds

Age & growth.

F

F

Chapman, D.W. (1957) 59-8739  
 Thesis, Univ. of Oregon St. Coll., 96 p.  
 Studies of age, growth, and migration  
 of steelhead trout, Salmo gairdneri, in  
 the Alsea River, Ore.

Age & growth.

Pacheco, A.L. (1957) 59-8742  
 Thesis, William & Mary Coll., 34 p.  
 The length and age composition of  
 spot, Leiostomus xanthurus, in the  
 pound net fishery of lower Chesapeake  
 Bay

Age & growth.

F

F



Schaefer, R.H. (1959) 59-8743  
 Thesis, Rutgers Univ.  
 A study of the growth and feeding  
 habits of the whiting or silver hake,  
Merluccius bilinearis (Mitchill) of the  
 New York Bight

Age & growth.

M

Werner, H.V. (1957) 59-8746  
 Thesis, Univ. of Delaware  
 A statistical survey of the length of  
 the gray squeteague or gray sea trout,  
Cynoscion regalis

Age & growth.

MF

Sprague, J. (1958) 59-8744  
 Thesis, South Dakota St. Coll., 38 p.  
 Age and growth determination of the  
 black bullhead from soft fin rays

Age & growth.

F

Ali, M.A. (1958) 59-8747  
 Thesis, Univ. of British Columbia  
 The ocular structure, retinomotor and  
 photo-behavioural responses of  
 juvenile Pacific salmon

Behavior.

MF

Trenary, J.D. (1958) 59-8745  
 Thesis, Univ. of Arkansas, 53 p.  
 Growth of three Centrarchidae in Lake  
 Fort Smith, Ark.

Age & growth.

F

Daneau, M. (1957) 59-8748  
 Thesis, Univ. of Massachusetts, 105 p.  
 An analysis of the New England  
 fisheries: development, problems, and  
 policies

Commercial fisheries.

M

Houser, A. (1957) 59-8749  
Thesis, Univ. of Oklahoma  
A study of the commercial fishery of  
Lake Texoma  
Commercial fisheries.

F

Harms, C.E. (1957) 59-8752  
Thesis, Univ. of Kansas, 47 p.  
Metazoan parasites of some catfishes  
of the genus Ictalurus from north-  
eastern Kansas  
Diseases & parasites.

F

Crance, J.H. (1958) 59-8750  
Thesis, Alabama Poly.Inst., 72 p.  
Preliminary investigations on control  
of Microcystis in fish ponds  
Diseasea & parasites.

F

Kumar, A.K.Gopi (1958) 59-8753  
Thesis, Alabama Poly.Inst., 56 p.  
Control of Gyrodactylus sp. on gold-  
fish  
Diseases & parasites.

F

Estes, R.D. (1957) 59-8751  
Thesis, Alabama Poly.Inst., 75 p.  
The effectiveness of certain fungicides  
on gold-fish and gold-fish eggs  
Diseases & parasites.

F

Meyer, F.P. (1957) 59-8754  
Thesis, Iowa St.Coll., 89 p.  
Helminths of fishes from Trumbull  
Lake, Clay County, Iowa  
Diseases & parasites.

F

Sparks, A.K. (1957) 59-8755  
Thesis, Texas A & M Coll.  
A study of the geographic distribution  
of digenetic trematodes of shallow-  
water fishes of the Gulf of Mexico

Diseases & parasites.

M

Butler, J.R. (1959) 59-8758  
Thesis, New Mexico Univ., 30 p.  
The development of the Weberian  
ossicles in Pantosteus plebeius (Baird  
& Girard)

Embryology.

F

Bachop, W.E. (1958) 59-8756  
Thesis, Ohio State Univ.  
Studies on the developmental anatomy  
of Esox masquinongy ohioensis Kirtland

Embryology.

F

Garside, E.T. (1957) 59-8759  
Thesis, Toronto Univ., 60 p.  
Some effects of oxygen in relation  
to temperature on the development of  
embryos of the rainbow trout and  
speckled trout

Embryology.

F

Baker, W.D. (1957) 59-8757  
Thesis, North Carolina St. Coll., 42 p.  
A study of the chromosome number of  
some centrarchid fishes

Embryology.

F

Herman, S.S. (1958) 59-8760  
Thesis, Univ. of Rhode Island, 65 p.  
The planktonic fish eggs and larvae  
of Narragansett Bay

Embryology.

M

Cummings, K.W. (1957) 59-8761  
Thesis, Univ. of Michigan, 51 p.  
Relationships between food in stomachs  
of rainbow trout (Salmo gairdneri) and  
lures used in capture

Food habits.

F

Messersmith, J.B. (1958) 59-8764  
Thesis, Oregon St. Coll., 42 p.  
Food habits of smolt steelhead trout,  
Salmo gairdneri gairdneri Richardson,  
in the Alsea River

Food habits.

MF

McNaught, D.C. (1957) 59-8762  
Thesis, Univ. of Michigan, 25 p.  
Comparative food habits of brook trout  
(Salvelinus fontinalis) and burbot  
(Lota lota) in the Fox River, Michigan

Food habits.

F

Tharratt, R.C. (1957) 59-8765  
Thesis, Univ. of Michigan, 23 p.  
Food habits of the yellow perch,  
Perca flavescens (Mitchill) in  
Saginaw Bay, Lake Huron

Food habits.

F

Menzel, D.W. (1957) 59-8763  
Thesis, Univ. of Michigan, 75 p.  
Utilization of food by the reef fishes  
Holacanthus bermudensis and Epinephelus  
guttatus

Food habits.

M

Thomas, J.C. (1958) 59-8766  
Thesis, Rutgers Univ.  
A study of relationships of temperature  
to food consumption of the golden  
shiner, Notemigonus crysoleucas  
crysoleucas (Mitchill), with some  
field observations on feeding habits  
and rates of growth

Food habits.

F



Anderson, R.O. (1959) 59-8767  
Thesis, Univ. of Michigan,  
The influence of season and temperature  
on growth of the bluegill, Lepomis  
macrochirus Rafinesque

Habitat requirements.

F

Renfro, W.C. (1958) 59-8770  
Thesis, Univ. of Texas, 54 p.  
The effect of salinity on the  
distribution of fishes in the  
Arkansas River

Habitat requirements.

MF

Gard, R. (1958) 59-8768  
Thesis, California Univ..  
The effects of beaver on trout in  
Sagehen Creek, California

Habitat requirements.

F

Rotschild, B.J. (1959) 59-8771  
Thesis, Univ. of Maine, 86 p.  
Variables influencing the prolarval  
production of the American smelt,  
Osmerus mordax (Mitchill), in Dean  
Brook, Ellsworth, Maine

Habitat requirements.

F

Horton, D.B. (1958) 59-8769  
Thesis, Univ. of Rhode Island, 85 p.  
The occurrence and distribution of fish  
in upper Pettaquamscutt River as  
related to certain chemical and physical  
variables

Habitat requirements.

F

Weaver, D. (1958) 59-8772  
Thesis, Indiana Univ.  
The effects of temperature on the  
growth of bluegill sunfish

Habitat requirements.

F

Weber, D.T. (1959) 59-8773  
Thesis, Colorado St. Univ.  
Effects of reduced stream flows on the  
trout fishery below Granby Dam,  
Colorado

Habitat requirements.

F

Alexander, E.C. (1958) 59-8776  
Thesis, Miami Univ., 136 p.  
A contribution to the life history,  
biology, and geographical distribution  
of the bonefish, Albula vulpes  
(Linnaeus)

Life history - Ecology.

M

Whitmore, C.M. (1957) 59-8774  
Thesis, Oregon St. Coll., 68 p.  
Avoidance reactions of some salmonid  
and centrarchid fishes to low  
concentrations of dissolved oxygen

Habitat requirements.

AF

Alexander, J.E. (1957) 59-8777  
Thesis, Miami Univ., 80 p.  
A contribution to the life history of  
Sternoptyx diaphana Hermann and  
Argyroplecus slodeni Regan

Life history - Ecology.

M

Adams, J.A. (1958) 59-8775  
Thesis, Miami Univ., 67 p.  
A contribution to the biology and  
postlarval development of the  
Sargassum fish, Histrio histrio  
(Linnaeus), with a discussion of the  
Sargassum complex

Life history - Ecology.

M

Buchholz, M.M. (1957) 59-8778  
Thesis, Iowa St. Coll., 45 p.  
Life history of the river carpsucker  
(Carpionodes c. carpio), in the Des  
Moines River, Boone County, Iowa

Life history - Ecology.

F

Carnes, W.O., Jr. (1958) 59-8779  
Thesis, North Carolina St. Coll., 69 p.  
Contributions to the biology of the  
eastern creek chubsucker Erimyzon  
oblongus oblongus (Mitchill)

Life history - Ecology.

F

Dietsch, E.L. (1959) 59-8782  
Thesis, Univ. of California  
The ecology and food habits of the  
sculpin (Cottus beldingi) in relation  
to the eastern brook trout  
(Salvelinus fontinalis)

Life history - Ecology.

F

Conover, N. (1958) 59-8780  
Thesis, North Carolina St. Coll., 58 p.  
Investigations of the white perch,  
Morone americana (Gmelin), in Albemarle  
Sound and the Lower Roanoke River,  
N.C.

Life history - Ecology.

MF

Eisler, R. (1957) 59-8783  
Thesis, Univ. of Washington, 68 p.  
Some effects of visible light on  
hatching, mortality, & early growth  
of salmonoids

Life history - Ecology.

MF

de Sylva, D.P. (1958) 59-8781  
Thesis, Cornell Univ., 374 p.  
The life history and systematics of the  
great barracuda, Sphyraena barracuda  
(Walbaum)

Life history - Ecology.

M

Franklin, D.R. (1959) 59-8784  
Thesis, Univ. of Minnesota  
Some phases of the early life  
history of the northern pike, Esox  
lucius L., with special reference to  
the factors influencing the numerical  
strength of year classes

Life history - Ecology.

F



Gibson, G.G. (1957) 59-8785  
Thesis, Univ. of Toronto, 86 p.  
A study of beaver colonies in southern  
Algonquin Park, Ontario, with  
particular reference to available food  
Life history - Ecology.

F

Harmic, J.L. (1958) 59-8788  
Thesis, Univ. of Delaware  
Some aspects of the development and  
the ecology of the pelagic phase of  
the gray sequeteague, Cynoscion  
regalis (Bloch and Schneider) in the  
Delaware River estuary

Life history - Ecology.

LF

Gordon, W.G. (1957) 59-8786  
Thesis, Univ. of Michigan, 31 p.  
Biology of the American smelt, Omerus  
mordax (Mitchill) of Saginaw Bay, Lake  
Huron

Life history - Ecology.

F

Hartman, W.L. (1958) 59-8789  
Thesis, Cornell Univ., 104 p.  
Biology and vital statistics of  
rainbow trout in the Finger Lakes  
region, New York

Life history - Ecology.

F

Gross, R.W. (1959) 59-8787  
Thesis, Rutgers Univ.  
A study of the alewife, Alosa  
pseudoharengus (Wilson) in some New  
Jersey lakes, with special reference  
to Lake Hopatcong

Life history - Ecology.

MF

Magnuson, J.J. (1958) 59-8790  
Thesis, Univ. of Minnesota  
Some phases of the life history of  
troutperch, Percopsis omiscomaycus  
(Walbaum), in lower Red Lake,  
Minnesota

Life history - Ecology.

F

McCann, J. (1958) 59-8791  
Thesis, Iowa St. Coll., 63 p.  
Life history of spottail shiner  
(Notropis hudsonius), Clear Lake,  
Iowa

Life history - Ecology.

F

Mount, D.I. (1957) 59-8794  
Thesis, Ohio State Univ.  
A study on the life history of the  
bluebreast darter, Etheostoma  
camnrum (Cope)

Life history - Ecology.

F

McKenney, T.W. (1958) 59-8792  
Thesis, Univ. of Miami, 55 p.  
A contribution to the life history of  
the squirrel fish Holocentrus  
vexillarius Poey

Life history - Ecology.

F

Muncy, R.J. (1957) 59-8795  
Thesis, Iowa State Coll., 118 p.  
Distribution and movements of channel  
and flathead catfish in Des Moines  
River, Boone County, Iowa

Life history - Ecology.

F

Meiser, A.L. (1958) 59-8793  
Thesis, Univ. of Maine, 151 p.  
The Atlantic salmon, Salmo salar  
Linnaeus, of Cove Brook, Winterport,  
Maine

Life history - Ecology.

MF

Platts, W.S. (1958) 59-8796  
Thesis, Utah St. Univ.,  
The natural reproduction of the  
cutthroat trout, Salmo clarki  
Richardson, in Strawberry Reservoir,  
Utah

Life history - Ecology.

F

Rehder, D.D. (1959) 59-8797  
Thesis, Iowa St. Coll., 77 p.  
Some aspects of the life history of the  
carp, Cyprinus carpio in the Des  
Moines River, Boone County, Iowa

Life history - Ecology.

F

Stevenson, R.A., Jr. (1958) 59-8800  
Thesis, Univ. of Delaware  
The biology of the anchovies Anchoa  
mitchilli mitchilli Cuvier and  
Valenciennes 1848 and Anchoa hepsetus  
hepsetus Linnaeus 1758 in Delaware Bay

Life history - Ecology.

M

Schmulbach, J.C. (1957) 59-8798  
Thesis, So. Illinois Univ.  
The life history of the central  
stoneroller Campostoma anomalum pullum  
Agassiz

Life history - Ecology.

F

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Thesis, Univ. of Washington, 106 p.  
On the biology of the Pacific Ocean  
perch, Sebastes alutus (Gilbert)

Life history - Ecology.

L

Speare, E.P. (1958) 59-8799  
Thesis, Michigan St. Univ.  
The ecology, age and growth rate of the  
central johnny darter, Etheostoma  
nigrum nigrum (Rafinesque) Augusta  
Creek, Mich.

Life history - Ecology.

F

Foster, D.I. (1957) 59-8802  
Thesis, Univ. of Missouri, 92 p.  
Studies of the bottom fauna of two  
south central Missouri streams, the  
Niangua River and the Big Piney River

Limnology - Bottom fauna.

F



Marland, F. (1958) 59-8803  
Thesis, Texas A. & M. Coll.  
An ecological study of the benthic  
macrofauna of Matagorda Bay, Texas

Limnology - Bottom fauna.

L

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Thesis, Michigan St. Univ.  
A qualitative study of the  
invertebrate population of Park Lake,  
Clinton Co., Mich.

Limnology - Comprehensive survey &  
miscellaneous.

F

Nelson, D.J. (1958) 59-8804  
Thesis, Univ. of Georgia  
The standing crop and productivity of  
a rock outcrop in the middle Oconee  
River, Georgia

Limnology - Bottom fauna.

F

Crowell, R.M. (1957) 59-8807  
Thesis, Ohio St. Univ.  
The taxonomy, distribution, and  
developmental stages of water mites  
collected in central and north-  
central Ohio

Limnology - Comprehensive survey &  
miscellaneous.

F

Smart, E.W. (1958) 59-8805  
Thesis, Utah St. Univ.  
An ecological study of the bottom  
fauna of Bear Lake, Idaho and Utah

Limnology - Bottom fauna.

F

Goldman, C. (1958) 59-8808  
Thesis, Univ. of Michigan  
Primary productivity and limiting  
factors in three lakes of the  
Alaska Peninsula

Limnology - Comprehensive survey &  
miscellaneous.

F

Hauptman, A.W. (1958) 59-8809  
Thesis, Univ. of Alberta, 58 p.  
Winter conditions in three lakes with  
special reference to dissolved oxygen

Limnology - Comprehensive survey &  
miscellaneous.

F

Hoskin, C.M. (1957) 59-8812  
Thesis, Duke Univ., 46 p.  
Oxygen metabolism of some North  
Carolina streams and ponds

Limnology - Comprehensive survey &  
miscellaneous.

F

Hoese, H.D. (1959) 59-8810  
Thesis, Texas A. & M. Coll.  
Hydrographic and ecological studies  
in Mesquite Bay and Cedar Bayou, Texas

Limnology - Comprehensive survey &  
miscellaneous.

M

Kendle, E.R. (1958) 59-8813  
Thesis, Oregon St. Coll., 56 p.  
Limnology of selected Oregon farm fish  
ponds

Limnology - Comprehensive survey &  
miscellaneous.

F

Hornuff, L.E., Jr. (1957) 59-8811  
Thesis, Univ. of Oklahoma  
A survey of four Oklahoma streams with  
reference to production

Limnology - Comprehensive survey &  
miscellaneous.

F

McConnell, W.J. (1958) 59-8814  
Thesis, Utah St. Univ.  
Chlorophyll and productivity in a  
mountain river

Limnology - Comprehensive survey &  
miscellaneous.

F

Phelps, D.K. (1958) 59-8815  
Thesis, Univ. of Rhode Island, 56 p.  
A quantitative study of the infauna  
of Narragansett Bay in relation to  
certain physical and chemical aspects  
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Limnology - Comprehensive survey &  
miscellaneous.

Wilole, R. (1957) 59-8818  
Thesis, Michigan Univ.  
Studies of the marine algae of the  
Labrador Peninsula and northwest  
Newfoundland

Limnology - Comprehensive survey &  
miscellaneous.

L

Ruggles, P.C. (1959) 59-8816  
Thesis, Univ. of Saskatchewan, 93 p.  
The nutritive ecology of Lac La Ronge  
and Canoe Lake

Limnology - Comprehensive survey &  
miscellaneous.

F

Wetzel, R.G. (1959) 59-8819  
Thesis, Michigan Univ.  
quantitative analysis of marl  
deposition by hydrophytes

Limnology - Higher aquatic  
vegetation.

F

Wiggins, G.R. (1958) 59-8817  
Thesis, Univ. of Toronto, 156 p.  
A study of the systematics of the  
Phryganeidae of the world (Insecta:  
Trichoptera)

Limnology - Comprehensive survey &  
miscellaneous.

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Thesis, Michigan St. Univ.  
A study of nutrient accrual, uptake  
and regeneration as related to  
primary production in a warm-water  
stream

Limnology - Physicochemical.

F

Parke, M. (1959) 59-8821  
Thesis, North Carolina Univ.  
Vitamin B<sup>12</sup> and carbohydrate in  
University Lake

Limnology - Physicochemical.

F

Henderson, J.C. (1958) 59-8824  
Thesis, Texas A. & M. Coll.  
A preliminary study of the distribution  
of some copepods in upper Laguna Madre

Limnology - Plankton.

MF

Savoy, D. (1957) 59-8822  
Thesis, Ohio St. Univ.  
Sedimentary processes along the Lake  
Erie shore at Magee Marsh, Ohio

Limnology - Physicochemical.

F

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Thesis, Cornell Univ., 210 p.  
Phytoplankton photosynthesis as an  
index of primary productivity

Limnology - Plankton.

MF

Clark, W.J. (1958) 59-8823  
Thesis, Utah St. Univ.  
The phytoplankton of the Logan River,  
Utah, a mountain stream

Limnology - Plankton.

F

Lang, N.J. (1958) 59-8826  
Thesis, Ohio St. Univ.  
Phytoplankton population to certain  
physical features of Hoover Memorial  
Dam and of the immediate downstream  
area

Limnology - Plankton.

F



Norman, M.B. (1957) 59-8827  
Thesis, North Texas St. Coll.  
A technique for the mass culture of  
aquatic actinomycetes  
Limnology - Plankton.

F

Yang, W.T. (1957) 59-8830  
Thesis, Univ. of Miami, 101 p.  
A systematic study of the hyperiidcan  
amphipoda of the families Hypertiidae,  
Dairellidae, and Phrosinidae in the  
Florida current  
Limnology - Plankton.

M

Small, L.F. (1959) 59-8828  
Thesis, Iowa St. Coll., 67 p.  
Estimates of standing crop of plankton  
in Clear Lake, Iowa  
Limnology - Plankton.

F

Altman, R.W. (1959) 59-8831  
Thesis, Oklahoma St. Univ.  
Harvest of warm water fish with  
implications of other management  
techniques through supplemental  
feeding  
Management technique evaluation.

F

Tash, J.C. (1959) 59-8829  
Thesis, Univ. of Kansas, 52 p.  
A seasonal survey of the vertical  
movements of some zooplankters in a  
Kansas lake  
Limnology - Plankton.

F

Correll, D.L. (1958) 59-8832  
Thesis, Michigan St. Univ., 40 p.  
Alteration of the productivity of a  
trout stream by the addition of  
phosphate  
Management technique evaluation.

F

Davis, W.J. (1958) 59-8833  
Thesis, Univ. of Kansas, 100 p.  
Management of channel catfish in  
Kansas

Management technique evaluation.

F

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Thesis, Alabama Poly. Inst., 93 p.  
Costs and returns from selected ponds  
in Lee County

Management technique evaluation.

F

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panfish populations

Management technique evaluation.

F

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Biological responses of fertilization  
in a lake and stream

Management technique evaluation.

F

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Harvest of hatchery-reared catchable-  
size rainbow trout from a controlled  
section of stream

Management technique evaluation.

F

Leedy, D.J. (1957) 59-8838  
Thesis, Ohio St. Univ.  
A survey of farm pond management in  
two Ohio counties

Management technique evaluation.

F

Lux, F.E. (1958) 59-8839  
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An investigation of the causes of  
seasonal changes in angler success in  
Linwood Lake, Minnesota

Management technique evaluation.

F

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An evaluation of lake production  
following artificial enrichment

Management technique evaluation.

F

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Reduction of whitefish populations in  
an Adirondack salmon lake: an effort  
towards increased production of young

Management technique evaluation.

MF

Schoumacher, R. (1959) 59-8843  
Thesis, Michigan Univ., 61 p.  
A survey of catch-out ponds in the  
United States

Management technique evaluation.

F

Paetz, M.J. (1957) 59-8841  
Thesis, Univ. of Alberta, 58 p.  
The management of trout streams on the  
east slopes of the Rocky Mountains in  
Alberta

Management technique evaluation.

F

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Thesis, Univ. of Wisconsin, 125 p.  
Experimentally induced changes in  
lakes: a) environmental changes  
following lime-application to stained  
lakes. b) Changes in the plankton  
crustacea following the introduction of  
trout to a fish-free lake

Management technique evaluation.

F

Van Wyhe, G.L. (1958) 59-8845  
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in Lake Darling, North Dakota

Management technique evaluation.

F

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trout (Salmo gairdnerii) and brown  
trout (Salmo trutta) from Augusta  
Creek, Michigan

Management technique evaluation.

F

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Thesis, Cornell Univ., 42 p.  
Efficiency of chicken-wire traps in  
New York farm ponds containing  
largemouth bass and bluegill sunfish

Management technique evaluation.

F

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Thesis, San Diego St. Coll., 56 p.  
The effect of copper sulfate on  
angling success

Management technique evaluation.

F

Whalls, M.J. (1957) 59-8847  
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Evaluation of brook trout planting in  
East Fish Lake, Montmorency County,  
Mich.

Management technique evaluation.

F

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Thesis, Alabama Poly. Inst., 47 p.  
The rates of dissipation of certain  
retene preparations, their residual  
effects on bluegill production, and  
their effects on populations of fish-  
food organisms

Management technique evaluation.

F



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Thesis, Univ. of California, Los Angeles, 209 p.  
A study of general anesthesia in teleosts with a discussion of its implications to the transportation of fishes

Methodology - Technique development.

MF

Zurbuch, P.E. (1957) 59-8854  
Thesis, Michigan Univ., 13 p.  
Contributions to the methodology of estimating fish populations in warm-water streams

Methodology - Technique development.

F

Muench, B. (1957) 59-8852  
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The screening of compounds to find a drug suitable for use on fish populations

Methodology - Technique development.

F

Al-Saadi, A.M. (1959) 59-8855  
Thesis, Kansas Univ., 34 p.  
Comparative osteology of the centrarchid fishes, Ambloplites rupestris, Archoplites interruptus, and Pomoxis nigromaculatus

Morphology.

F

Myreberg, A.A., Jr. (1958) 59-8853  
Thesis, Illinois Univ.  
The use of photoelectric eye in the measurement of locomotor activity of fishes

Methodology - Technique development.

MF

Atz, J. (1959) 59-8856  
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Morphological and genetic studies on the pigmentary patterns of xiphophorin fishes and their hybrids

Morphology.

F

Branson, B. (1957) 59-8857  
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The lateral-line system of the  
centrarchid fish, Elassoma zonatum  
(Jordan)

Morphology.

F

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Thesis, Univ. of California, Los  
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The photosensitive retinal pigments  
of marine and euryhaline teleost  
fishes

Morphology.

MF

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Morphological variation of Cyprinodon  
variegatus (Cyprinodontidae)  
correlated with salinity of habitat

Morphology.

MF

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The osteology of Brevoortia patronus  
and Brevoortia gunteri (Pisces,  
Clupeidae)

Morphology.

M

Kallman, K.D. (1959) 59-8859  
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The genetics of fin transplantation in  
the platyfish Xiphophorus maculatus

Morphology.

F

Bernstein, J.J. (1957) 59-8862  
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Wavelength discrimination in the  
goldfish (Carassius auratus Linn.)

Physiology.

F

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The effect of forebrain ablation on  
visual discrimination in fish

Physiology.

MF

Juliano, R.C. (1957) 59-8866  
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The metabolism of the bluegill,  
Lepomis macrochirus

Physiology.

F

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The biological function of the thyroid  
and the effect of length of day on the  
growth and maturation of the goldfish  
Carassius auratus (Linnaeus)

Physiology.

F

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An investigation of the origin and  
metabolism of the polyunsaturated fatty  
acids found in aquatic organisms

Physiology.

MF

Greer, A.J. (1958) 59-8865  
Thesis, Stanford Univ., 41 p.  
Some factors affecting the respiration  
of the bluegill Lepomis macrochirus  
(Centrarchidae)

Physiology.

F

Neuhold, J.M. (1958) 59-8868  
Thesis, Utah St. Univ.  
The effects of sodium fluoride on carp  
and rainbow trout

Physiology.

F

Proctor, C.M. (1958) 59-8869  
Thesis, Texas A. & M. Coll.  
Model studies on the effect of  
certain factors of the marine  
environment on enzyme activity.

M

Neil, J.H. (1957) 59-8872  
Thesis, Univ. of Toronto, 30 p.  
Some effects of potassium cyanide on  
speckled trout (Salvelinus fontinalis)

Pollution.

F

Williams, B. (1957) 59-8870  
Thesis, Western Reserve Univ., 38 p.  
The influences of metabolic wastes  
(ammonia, ions, and urea) on the growth  
of Trichogaster leeri

Physiology.

F

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Effects of sugar beet wastes upon  
the periphyton of the Jordan River,  
Salt Lake County, Utah

Pollution.

F

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Toxicity of some new herbicides to fish

Pollution.

F

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chemical characteristics of the Big  
Muddy River and its tributaries and  
special emphasis on the pollution  
problem.

Pollution.

F



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Thesis, Oregon St. Coll.; 53 p.  
Preliminary studies to determine the  
nature of the principal toxic  
constituents of Kraft pulp mill waste  
Pollution.

F

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Factors involved in the predator-prey  
relationship of rainbow trout (Salmo  
gairdneri Richardson) and redbside  
shiners (Richardsonius balteatus  
Richardson) in Paul Lake, British  
Columbia

Population dynamics.

F

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Thesis, Univ. of Washington, 200 p.  
A study of fluctuations in abundance,  
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nerka Walbaum) of the Wood River Lakes,  
Bristol Bay, Alaska

Population dynamics.

MF

El-Zarka, S. (1957) 59-8879  
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Fluctuations in the population  
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flavescens (Mitchill) Saginaw Bay,  
Lake Huron

Population dynamics.

F

Christenson, L.M. (1957) 59-8877  
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Some characteristics of the fish  
populations in backwater areas of the  
upper Mississippi River

Population dynamics.

F

Harner, W.H. (1958) 59-8880  
Thesis, Ohio St. Univ.  
Interspecific association studies of  
some fishes of the western basin of  
Lake Erie, the shore waters, and  
tributary streams

Population dynamics.

F

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Migration and fishing mortality of  
English sole (Parophrys vetulus) in  
Saratoga Passage, and adjacent waters

Population dynamics.

M

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The marine fishes of Rhode Island

Survey, general fishery.

M

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Brook trout populations in Colorado  
beaver ponds

Population dynamics.

F

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Thesis, Michigan St. Univ.  
The distribution and growth of fish  
in the Red Cedar River drainage in  
relation to habitat and volume of flow

Survey, general fishery.

F

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Thesis, San Diego St. Coll., 103 p.  
Factors associated with the decline of  
the largemouth bass in San Vincente  
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Population dynamics.

F

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The populations of fishes and  
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Reservoir with reference to  
productivity

Survey, general fishery.

F

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 Thesis, Univ. of California, Los Angeles, 219 p.  
 Geographic variations in the morphology and physiology of the gobiid fishes of the genus Gillichthys

Systematics, distribution.

M

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 The taxonomy of the percid fishes of the genus Etheostoma, subgenus Boleosoma, of eastern United States

Systematics, distribution.

F

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 Thesis, Univ. of Louisville  
 Some comparative measurements in two populations of freshwater drum, Aplodinotus grunniens Rafinesque

Systematics, distribution.

F

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 Thesis, Tulane Univ., 88 p.  
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Systematics, distribution.

M

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 Contribution to a classification of the fishes of the suborder Opisthoproctoidei

Systematics, distribution.

M

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 Some effects of artificial selection upon stock of cutthroat trout, Salmo clarkii clarkii, with related hybridization studies

Systematics, distribution.

F

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 Thesis, Oklahoma St. Univ.  
 Studies in the genus Ictiobus  
 (Buffalofishes)  
 Systematics, distribution.

F

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 A comparative study of meristic  
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 Systematics, distribution.

MF

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 Systematics, distribution.

M

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 fish Brachydanio rerio  
 Systematics, distribution.

F

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 A distribution study of the fishes of  
 the upper White River, Missouri  
 Systematics, distribution.

F

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 Systematics, distribution.

M



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A key to some southern Florida fishes  
based on vertebral characters

Systematics, distribution,

M

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A systematic revision of the genus  
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Systematics, distribution.

F

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Systematics, distribution.

F

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Systematics, distribution.

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The distribution of fishes of the  
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Systematics, distribution.

F

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Systematics, distribution.

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Official records - Volume II: plenary  
meetings

Annex gives texts of final act,  
optional protocol, resolutions of  
conventions on territorial sea &  
contiguous zone, high seas, fishing  
& conservation of the living resources  
of the high seas, continental shelf.

FAO:sjh

M

U.N. Conference on the Law 59-8920  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Netherlands, 162 p.  
Official records - Volume V: third  
committee (high seas: fishing:  
conservation of living resources)

FAO:

M

U.N. Conference on the Law 59-8918  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Netherlands, 261 p.  
Official records - Volume III: first  
committee (territorial sea and  
contiguous zone)

FAO:

M

U.N. Conference on the Law 59-8921  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Netherlands, 144 p.  
Official records - Volume VI: fourth  
committee (continental shelf)

FAO:

M

U.N. Conference on the Law 59-8919  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Netherlands, 153 p.  
Official records - Volume IV: second  
committee (high seas: general régime)

FAO:

M

U.N. Conference on the Law 59-8922  
of the Sea - Geneva, 24 February-  
24 April 1958 (1958)  
Netherlands, 87 p.  
Official records - Volume VII: fifth  
committee (question of free access to  
the sea of land-locked countries)

FAO:

M



Rivière, A. & 59-8923  
 S. Vernhet (1959)  
C.R.Acad.Sci., Paris, 249:1546-7  
 Sur les courants de retour (undertows)  
 (On undertows)

Observations of movements of Ruppia debris; typical undertows caused by winds moving water along shore when not deviated by stronger hydrodynamic phenomena such as rip currents & mass transport by waves.

FAO:sjh

MG

James, A.N. (1958) 59-8926  
Bull.Inst.Phys., 9(8):182-8  
 The statistician and sample testing

lw

G

Dechancé, M. & 59-8924  
 J.-P. Dufaure (1959)  
C.R.Acad.Sci., Paris, 249:1566-8  
 Une nouvelle association entre une actinie et un pagure (A new association between an actinian and a paguran)

Observations at Banyuls-sur-Mer of symbiosis between Anapagurus laevis and Paracalliactis lacazei, sp. nov., Hormathiidae, 4 other spp. of Paracalliactis are associated with Parapagurus spp. in NE Atlantic, Equatorial Pacific, & W. Indian Ocean.

FAO:sjh

M

Hoffman, G.L. & 59-8927  
 J.B. Hoyme (1958)  
J.Parasit., 44(4):374-8  
 The experimental histopathology of the "tumour" on the brain of the stickleback caused by Diplostomum baeri eucaliae Hoffman and Hundley, 1957 (Trematoda: Strigeoidea)

M

Charniax-Cottom, H. (1959) 59-8925  
C.R.Acad.Sci., Paris, 249:1580-2  
 Masculinisation des femelles de la crevette à hermaphrodisme protérandrique Lysmata seticaudata, par greffe glandes androgènes. Interprétation de l'hermaphrodisme chez les décapodes. Note préliminaire (Masculinization of the female proterandric hermaphrodite prawn Lysmata seticaudata, by grafting of androgenous glands. Interpretation of hermaphroditism in decapods. Preliminary note)

Study with reference also to Pandalus & Orchestia.

FAO:sjh

M

Hoffman, G.L. (1958) 59-8928  
J.Parasit., 44(2):229  
 Experimental infection with strigeoid cercariae

M

U.N. Conference on the Law 59-8929  
of the Sea - Geneva, 24 February-  
27 April 1958 (1959)  
France, 341 p.  
Documents officiels - Volume I:  
documents préparatoires

Fr version of 59-8905.

FAO:

M

U.N. Conference on the Law 59-8932  
of the Sea, Geneva, 24 February-  
27 April 1958 (1958)  
France, 183 p.  
Documents officiels - Volume V:  
troisième commission (haute mer:  
pêche, conservation des ressources  
biologiques)

Fr version of 59-8920.

FAO:

M

U.N. Conference on the Law 59-8930  
of the Sea, Geneva, 24 February-  
27 April 1958 (1958)  
Netherlands, 285 p.  
Documents officiels - Volume III:  
première commission (mer territoriale  
et zone contiguë)

Fr version of 59-8918.

FAO:

M

U.N. Conference on the Law 59-8933  
of the Sea, Geneva, 24 February-  
27 April 1958 (1958)  
France, 164 p.  
Documents officiels - Volume VI:  
quatrième commission (plateau  
continental)

Fr version of 59-8921.

FAO:

M M

U.N. Conference on the Law 59-8931  
of the Sea, 24 February-  
27 April 1958 (1958)  
France, 163 p.  
Documents officiels - Volume IV:  
deuxième commission (haute mer:  
régime général)

Fr version of 59-8919.

FAO:

M

U.N. Conference on the Law 59-8934  
of the Sea, Geneva, 24 February-  
27 April 1958 (1958)  
France, 92 p.  
Documents officiels - Volume VII:  
cinquième commission (question du  
libre accès à la mer des pays sans  
littoral)

Fr version of 59-8922.

FAO:

M

U.N. Conference on the Law 59-8935  
of the Sea - Geneva, 24 February-  
27 April 1958 (1959)  
Netherlands, 360

Documentos oficiales - Volumen I:  
documentos preparatorios

Es version of 59-8905.

FAO:

U.N. Conference on the Law 59-8938  
of the Sea - Geneva, 24 February-  
27 April 1958 (1959)  
France, 183 p.

Documentos oficiales - Volumen V:  
tercera comisión (alta mar: pesca,  
conservación de los recursos vivos)

Es version of 59-8920.

FAO:

M

U.N. Conference on the Law 59-8936  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Belgium, 253 p.

Documentos oficiales - Volumen III:  
primera comisión (mar territorial y  
zona contigua)

Es version of 59-8918.

FAO:

M

U.N. Conference on the Law 59-8939  
of the Sea - Geneva, 24 February-  
27 April 1958 (1959)  
France, 163 p.

Documentos oficiales - Volumen VI  
cuarta comisión (plataforma continental)

Es version of 59-8921.

FAO:

M

U.N. Conference on the Law 59-8937  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Belgium, 147 p.

Documentos oficiales - Volumen IV:  
segunda comisión (alta mar: régimen  
general)

Es version of 59-8919.

FAO:

M

U.N. Conference on the Law 59-8940  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
Belgium, 84 p.

Documentos oficiales - Volumen VII:  
quinta comisión (cuestión del libre  
acceso al mar de los países sin  
litoral)

Es version of 59-8922.

FAO:

M

U.N. Conference on the Law 59-8941  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
France, 166 p.  
Documents officiels - Volume II:  
séances plénières

Fr version of 59-8917.

FAO:

M

ICNAF (1959) 59-8944  
mimeo, 2 p.  
Notes from the special meeting on the  
program on fishery assessment in  
relation to regulation problems held  
in Copenhagen, 9 October, 1959

Notes on the organization of this  
work in NW Atlantic.

FiB:sjh

M

U.N. Conference on the Law 59-8942  
of the Sea - Geneva, 24 February-  
27 April 1958 (1958)  
France, 167 p.  
Documentos oficiales - Volumen II:  
sesiones plenarias

Es version of 59-8917.

FAC:

M

Martínez-Hidalgo y 59-8945  
Terán, J.M. (Ed.) (1957)  
Madrid, Ediciones Garriga, S.P., 953 p.  
Enciclopedia general del mar -  
Primer volumen - A-Cam (General  
encyclopedia on the sea - First  
volume - A-Cam.)

Ill. articles, arranged alphabetically  
by subject heading, dealing with all  
aspects of marine studies, incl.  
oceanography, marine biology,  
navigation, boats, fishing & fishing  
methods. In this volume articles from  
A-Cam.

FAO:sjh

MF

ICNAF (1959) 59-8943  
mimeo, 3 p.  
Notes from an ICNAF meeting on planning  
of environmental research - Copenhagen  
7th October, 1959

Tabulates research vessel program for  
1960 in NW Atlantic, by countries.

FiB:sjh

Martínez-Hidalgo y 59-8946  
Terán, J.M. (Ed.) (1957)  
Madrid, Ediciones Garriga, S.A., 904 p.  
Enciclopedia general del mar -  
Segundo volumen - Can-D (General  
encyclopedia on the sea - Second  
volume - Can-D)

Continuation of 59-8945.

FAO:

MF



Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)  
Madrid, Ediciones Garriga, S.A., 927 p.  
Enciclopedia general del mar - Tercer  
volumen 9 E-I (General encyclopaedia  
on the sea - Third volume - E-I)

Continuation of 59-8946.

FAO:

MF

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)  
Madrid, Ediciones Garriga, S.A., 925 p.  
Enciclopedia general del mar - Sexto  
volumen - S-Z (General  
encyclopaedia on the sea - Sixth  
volume - S-Z)

Continuation of 59-8949.

FAO:

MF

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)  
Madrid, Ediciones Garriga, S.A., 914 p.  
Enciclopedia general del mar - Cuarto  
volumen - J-N (General encyclopaedia  
on the sea - Fourth volume - J-N)

Continuation of 59-8947.

FAO:

MF

Kuchar, K.W. (1958)  
Sydowia, 11(1-6):327-36  
Untersuchungen über den Einfluss der  
Bakterien auf die Sauerstoffschichtung  
in Kleingewässern (Influence of  
bacteria on oxygen distribution in  
small bodies of water)

BA 33(4)12749. Stratification was  
found to be totally unrelated to the  
O<sub>2</sub> level.

: ba

F

Martínez-Hidalgo y Terán, J.M. (Ed.)(1958)  
Madrid, Ediciones Garriga, S.A., 923 p.  
Enciclopedia general del mar - Quinto  
volumen - O-R (General encyclopaedia  
on the sea - Fifth volume - O-R)

Continuation of 59-8948.

FAO:

MF

Ludzack, F.J., W.M. Ingram & M.B. Ettinger (1957)  
Sewage industr.Wastes, 29(10):1177-89  
Characteristics of a stream composed  
of oil refinery and activated sludge  
effluents

BA 33(4)12751. Report on field  
studies of the Ottawa River during  
low flow periods when stream  
consisted primarily of municipal  
activated sludge sewage treatment  
effluent, refinery & petrochemical  
plant effluents.

: ba

F

Lueck, B.F. (1957) 59-8953  
Sewage industr.Wastes, 29(9):1054-65  
Determination of stream purification capacity

BA 33(4)12752. Studies of self-purification phenomena on several Wisconsin streams led to development of several new parameters of stream organic loading & purification capacity.

:ba

F

Sparks, A.K. (1958) 59-8956  
Proc.La Acad.Sci., 20:71-82  
Some digenetic trematodes of fishes of Grand Isle, Louisiana

BA 33(4)15621. Forty-four spp. are reported with host records; 6 spp. appear to be new but are not described.

:ba

M

Rand, M.C. (1957) 59-8954  
Sewage industr.Wastes, 29(11):1282-300  
Concepts of surface reaeration. A critical review

BA 33(4)12755. Ability of atmospheric O<sub>2</sub> to dissolve in natural water bodies is of primary importance in determining the self-purification capacity of any stream. Various mathematical & physical formulas have been advanced for estimation of this property. Importance of water turbulence, temperature, & presence of other solutes is also considered.

:ba

F

Pope, E.C. (1958) 59-8957  
Proc.R.zool.Soc.N.S.W., 1956-1957: 159-61

The barnacle, Xenobalanus globicipitis Steenstrup, in Australian seas

BA 33(4)15806. 1st record of this sp. in Australian region comes from 8 specimens from the tail-flukes of a dolphin, sp. undetermined, stranded on Heron Island, near the southern end of the Great Barrier Reef, in January, 1956.

:ba

M

Wilson, J.N. (1958) 59-8955  
Amer.Midl.Nat., 59(2):418-37  
The limnology of certain prairie lakes of Minnesota

BA 33(4)12758. Four shallow glacial lakes of west central & southwestern Minnesota were studied in 1937-38 to determine limnological features under drought conditions. Recent information from the Minnesota State Conservation Department has been provided for 1946-1953 to indicate changes with heightened water levels.

:ba

F

Usinger, R.L. & 59-8958  
J.L. Herring (1957)  
Proc.Hawaii.ent.Soc., 16(2):281-3  
Notes on marine water striders of the Hawaiian Islands (Hemiptera:Gerridae)

BA 33(4)15890. Discussion of 2 spp. of Halobates & single sp. of Hermatobates presented with a key to separate the forms. Hermatobates is not an open ocean insect; it is nocturnal & positively phototropic. Distribution & phylogeny are mentioned.

:ba

M

Patil, A.M. (1958) 59-8959  
Ann.Mag.nat.Hist., Ser.13, 1(3):232-40  
 The occurrence of a male of the  
 prosobranch Potamopyrgus jenkinsi  
 (Smith) var. carinata Marshall in the  
 Thames at Somming, Berkshire

BA 33(4)15968. 1st report of a male.  
 A full description is given.

En

F

Dotu, Y. (1957) 59-8962  
Jap.J.Ichthyol., 6(4-6):97-104  
 (The bionomics and life history of a  
 gobioid fish, Paleatogobius uchidai  
 Takagi). Ni En

BA 33(4)15985. Is a small sp.  
 inhabiting sandy mud bottom of  
 estuaries in Kyushu, Japan. Its life  
 history & spawning habits are  
 discussed.

ba

MF

Anadón, E. (1957) 59-8960  
Bol.Soc.esp.Hist.nat., 55(1):129-44  
 Anatomía e histología de las placas  
 luminosas caudales de Lampadena nitida  
 (Taaning) (Anatomy and histology  
 of the luminous caudal plates of  
Lampadena nitida)

BA 33(4)15977. A detailed description  
 with many ill. General structure of the  
 organ, especially that of the  
 luminous part, is more highly evolved  
 than in other Myctophidae.

En

F

Fujita, S. (1957) 59-8963  
Jap.J.Ichthyol., 6(4-6):91-3  
 (On the larval stages of a scorpaenid  
 fish, Sebastes pachycephalus nigricans  
 (Schmidt)). Ni En

BA 33(4)15987. Describes larval  
 development from aquarium hatched  
 specimens which lived for 28 days.

:ba

F

Brown, J.L. (1958) 59-8961  
Amer.Midl.Nat., 59(2):477-88  
 Geographic variation in southeastern  
 populations of the cyprinodont fish,  
Fundulus notti (Agassiz)

BA 33(4)15982. The 3 distinct spp. may  
 be distinguished on the basis of  
 meristic & color characters. Variation  
 in over 400 specimens is analyzed  
 statistically.

:ba

F

Hancock, C.D., Jr. & 59-8964  
 J.E. Sublette (1958).  
Proc.La Acad.Sci., 20:38-52  
 A survey of the fishes in the upper  
 Kisatchie drainage of west central  
 Louisiana

BA 33(4)15994. Forty-two spp. in 10  
 families represented by 5582 specimens  
 are recorded.

ba

F



Honma, Y. (1957) 59-8965  
Jap.J.Ichthyol., 6(4-6):109-12  
 (Further additions to "A list of the  
 fishes collected in the province of  
 Echigo, including Sado Island". V.).  
 Ni En

BA 33(4)15995. 22 spp. are added to the  
 fauna of Niigata Prefecture, Sea of  
 Japan, incl. 1 from freshwater.

:ba

MF

Kapoor, B.G. (1957) 59-8968  
Jap.J.Ichthyol., 6(4-6):82-6  
 A study on the tongue of fishes

BA 33(4)16005. The tongue in Wallago  
attu & Gadusia chapra is conspicuous  
 while in Catla catla & Barbus stigma  
 it is rudimentary. Further work is  
 necessary on histology of tongue  
 particularly with view to under-  
 standing its musculature.

:ba

F

Honma, Y. (1957) 59-8966  
Jap.J.Ichthyol., 6(4-6):113-20  
 (On the thyroid gland of some  
 Japanese teleosts). Ni En

BA 33(4)15996. Describes the gland of  
Scomber japonicus, Neothunnus albacora,  
Makaira mitsukurii, Oplegnathus  
septemfasciatus, Semicossyphus  
reticulatus & Apocycus ventricosus.

:ba

M

Katayama, M. (1957) 59-8969  
Jap.J.Ichthyol., 6(4-6):147-52  
 On some rare fishes from Izu-Oshima,  
 Japan

BA 33(4)16006. Describes & figured:  
Plectranthias anthioides (Günther),  
Holanthias borbonius (Cuvier &  
 Valenciennes), Ernogrammoides  
fasciatus Chen & Liang, Pseudogramma  
polyacantha (Bleeker).

:ba

M

Kamohara, T. (1957) 59-8967  
Jap.J.Ichthyol., 6(4-6):75-81  
 Some little known fishes from Kochi  
 Prefecture (Prov. Tosa), Japan,  
 including one new species of the  
 family Peristediidae.

BA 33(4)16004. Fifteen spp. are added  
 to the fauna, incl. Paraheminodus  
kochiensis, new sp.

:ba

M

Katayama, M. (1957) 59-8970  
Jap.J.Ichthyol., 6(4-6):153-9  
 Four new species of serranid fishes  
 from Japan

BA 33(4)16007. Described & figured:  
Neoscombrops analis, Owase, Mie  
 Prefecture; Lateolabrax latus,  
 Yamaguchi Prefecture, Kochi, &  
 Nagasaki; Cephalopholis igarashiensis,  
 Izu Islands, Riukiu Islands;  
Epinephelus truncatus, Bonin Islands,  
 Izu Islands.

:ba

M



Kobayasi, H. (1957) 59-8971  
Jap.J.Ichthyol., 6(4-6):160-8  
 (Studies on the intergeneric crossings between 3 kinds of loach in Hokkaido, Misgurnus anguillicaudatus (Cantor), Barbatula toni oreas (Jordan and Fowler) and Lefua nikkonis (Jordan and Fowler)). Ni En

BA 33(4)16008. Studies of the fertilized eggs & young larvae. M. anguillicaudatus is more closely related to L. nikkonis than to B. toni oreas.

:ba

F

Kuroda, N. (1957) 59-8974  
Jap.J.Ichthyol., 6(4-6):94-6  
 (On the life colors of some fishes - VI.). Ni En

BA 33(4)16011. Colors of fishes from Suruga Bay are described: Fistularia villosa Klunzinger, Macrorhamphosus scolopax (Linnaeus), M. gracilis (Lowe), Tylosurus anastomella (Cuvier and Valenciennes), Atherina bleekeri Günther, Polynemus (Polydactylus) plebejus (Broussonet), Hoplostethus mediterraneus (Cuvier and Valenciennes), Nealotus tripes Johnson, & Trichiurus lepturus haumela (Forskål).

:ba

M

Kobayasi, H. & I. Yamabayashi (1957) 59-8972  
Jap.J.Ichthyol., 6(4-6):170-6  
 (On the acceleration of spawning in a loach, Misgurnus anguillicaudatus (Cantor), by injection of the hypophyses of the same species). Ni En

BA 33(4)16009. Implantation of pieces of pituitary gland in female resulted in accelerated spawning. Some of the eggs were mature but most of them developed abnormally & died before hatching.

:ba

F

Menon, A.G.K. (1958) 59-8975  
Rec.Indian Mus., 52(1):21-6  
 Further observations on the fish fauna of the Manipur State

BA 33(4)16015. List of 63 spp. in 14 families, of which 29 spp. belong in Cyprinidae, so far known from this state in India. Glyptothorax manipurensis is described, from the Barak River, part of the Brahmaputra River system. Notes on 4 other spp.

:ba

F

Kobayasi, H. & S. Moriyana (1957) 59-8973  
Jap.J.Ichthyol., 6(4-6):177-83  
 (On the development of a loach, Barbatula toni oreas (Jordan and Fowler)). Ni En

BA 33(4)16010. Early development is described.

:ba

F

Menon, M.A.S. (1958) 59-8976  
Rec.Indian Mus., 52(1):27-54  
 Notes on fishes of the genus Glyptothorax Blyth

BA 33(4)16016. Taxonomic history of the genus is reviewed, with key to 23 Indian & Burmese spp. A systematic account is given, with synonymy, descriptive notes, detailed locality records on specimens in the collections of the Zool. Survey of India, tables of measurements, general distribution notes, etc.

:ba

F

Mito, S. (1957) 59-8977  
Jap.J.Ichthyol., 6(4-6):105-8  
 (Egg development and hatched larvae  
 of Girella punctata Gray (Girellidae,  
 Teleostei) ). Ni En

BA 33(4)16018. The egg is described,  
 its development & that of newly  
 hatched larvae which lived for 3 days.

:ba

Robins, C.R. & 59-8980  
 R.B. Manning (1958)  
J.Wash.Acad.Sci., 48(9):301-4  
 The status and distribution of the  
 fishes of the family Microdesmidae  
 in the Western Atlantic

BA 33(4)16024. Fin-ray counts &  
 morphometric data are given for  
Microdesmus longipinnis (Weymouth)  
 & M. floridanus (Longley). M. woodsi  
Kanazawa is synonymized with  
longipinnis. New distributional  
 records are given for longipinnis,  
 Florida, & for floridanus, New  
 Providence Island, Bahamas.

:ba

M

Prasad, R.R. (1958) 59-8978  
Amer.Midl.Nat., 59(2):465-76  
Racial analysis of Clevelandia ios  
(Jordan and Gilbert) in Californian  
 waters

BA 33(4)16022. Samples of the  
 populations of the gobiid fish from  
 4 different localities were subjected  
 to statistical examination in respect  
 to the number of fin rays in the 1st  
 dorsal, 2nd dorsal & anal fins, & in  
 respect to the length of the head in  
 relation to the standard length.  
 Results show a direct correlation

Silas, E.G. (1958) 59-8981  
Rec.Indian Mus., 52(1):1-14  
Garra hughi, a new cyprinoid fish  
 from the Western Ghats, Peninsular  
 India, with notes on its bionomics

BA 33(4)16028. On the basis of 52  
 specimens of this n. sp., a detailed  
 morphometric study was undertaken.  
 Short notes on the ecology &  
 bionomics of the n.sp. are also  
 given.

:ba

F

59-8978  
 (Card 2)  
 between degree of difference &  
 distance separating populations.

:ba

F

Suyehiro, Y. et al. (1957) 59-8982  
Jap.J.Ichthyol., 6(4-6):136-40  
 Movement of the fish in response to  
 sound stimuli with reference to  
 sound intensity

BA 33(4)16030. Behaviour of 7 spp.  
 of teleosts was observed. Scomber  
japonicus, Trachurus japonicus &  
Paromocymba nystromi nystromi were  
 found to be rather sensitive to  
 underwater noises, Conger japonicus  
 & Astroconger myriaster less so.

:ba

M

Takano, H. & 59-8983  
 T. Hanato (1958)  
Jap.J.Ichthyol., 7(1):13-8  
 (Mackerel fishing by HANEZURI in  
 northern Japan, and estimation of the  
 unit catch in the waters). Ni En

BA 33(4)16031. Studies of catches  
 have shown that catches of coastal  
 HANEZURI boats - using a method of  
 fishing by pole line - exceed those  
 made by larger HANEZURI boats in the  
 East China Sea, off the Goto Islands,  
 & south to Kagoshima Prefecture; &  
 that catches by coastal TENBINZURI  
 boats - using a method of fishing by

Whitley, G.P. (1958) 59-8986  
Proc.R.zool.Soc.N.S.W., 1956-1957:  
 28-51  
 Descriptions and records of fishes  
 BA 33(4)16037. New spp. described:  
Rasbora labuana from Labuan, off  
 Borneo.

:ba

M

59-8983  
 (Card 2)  
 hand line - are far less.

:ba

M

Whitley, G.P. (1958) 59-8987  
Proc.R.zool.Soc.N.S.W., 1956-1957:  
 85-7  
 A new gudgeon from the New Hebrides  
 BA 33(4)16038. Eviota woolacottae is  
 named.

:ba

M

Tsukamoto, Y. & 59-8985  
 S. Yoshino (1957)  
Jap.J.Ichthyol., 6(4-6):131-5  
 A study of the lateral-line system  
 in fish - II. On the relation between  
 the function of the lateral-line  
 organ and the habits of fish

BA 33(4)16034. Continued study of 81  
 spp. of teleosts; correlation between  
 function of lateral line & habits of  
 spp. Lateral line may be important  
 whenever visibility is poor, as at  
 night or in turbid water.

:ba

MF

Brown, E.F. (1958) 59-8988  
Zoologica, N.Y., 43(2):55-71  
 Feeding habits of the northern  
 water snake, Natrix sipedon sipedon  
 Linnaeus

BA 33(4)16045. Contents of the  
 stomachs of 207 specimens from New  
 York & Michigan are tabulated as to  
 frequencies, vol., & habitat of  
 collection.

:ba

F



Fukuoka, J. (1958) 59-8989  
Geophys.Mag., Tokyo, 28:343-55  
On the variation of the Kuroshio or  
current south of Honshu (Japanese main  
island)

M

Nakano, M. & 59-8992  
T. Abe (1958)  
Geophys.Mag., Tokyo, 28:375-87  
Standing oscillation of bay water  
induced by currents

M

Sugiura, J. (1958) 59-8990  
Geophys.Mag., Tokyo, 28:399-409  
On the Tsugaru warm current

M

U.K.Herring Industry 59-8993  
Board (1958?)  
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23rd annual report, 1957

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Uda, M. (1958) 59-8991  
Geophys.Mag., Tokyo, 28:367-73  
On the abyssal circulation in the  
Northwest Pacific Area

M

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Department (1958?)  
H.F.S.O.  
Scottish sea fisheries statistical  
tables, 1957

M



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Observatory (1958)  
J.Oceanogr., Kobe, Ser. 2, 8(5):16-7  
Maritime observations on board of  
M.S. SHUMPU

Walden, H. (1958) 59-8998  
Seewart, Hamburg, 19:98-106  
Eine Dünungsbeobachtung des  
Holländischen MS VAN WAERWIJCK und  
ihre Deutung (Observation of a  
swell by the Dutch MS VAN WAERWIJCK  
and its explanation)

M

Kobe. Marine Observatory(1957) 59-8996  
J.Oceanogr., Kobe, Ser. 2, 8(4):3  
(Oceanographical report no. 7). Ni

U.K. Meteorological 59-8999  
Office (1953?)  
M.C.615/12  
Climatological charts of the North  
Atlantic. Dec.

M

M

Kobe. Marine 59-8997  
Observatory (1958)  
J.Oceanogr., Kobe, Ser.2, 9(1):7  
(Oceanographical report no. 8).  
Ni

Uyeno, F. (1958) 59-9000  
Mem.Mar.Obs.Kobe, 12(1):1-6  
Relation between diatom quantity,  
temperature and chlorinity in the  
neighbouring sea near the south  
coast of Honshu, Japan

M

Uyeno, F. (1958) 59-9001  
Mem.Mar.Obs.Kobe, 12(1):7-14  
 Water movements and distributions of  
 diatoms in a vertical section of the  
 cold water region off Enshu-nada, Japan

M

Holcombe, R.M. (1957) 59-9004  
J.atmos.terr.Phys., Spec.Suppl.,  
P.Polar atmos.Sym., Part I, (1956)  
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 Similarities and contrasts between  
 the Arctic and Antarctic marine  
 climates

M

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Poona Ind.J.Met., 9:203-4  
 River effect on sea

MF

Melchior, P.J. (1958) 59-9005  
Adv.Geophys., 4:391-443  
 Earth tides

M

Hamada, Y. (1958 ) 59-9003  
Mem.industr.Met., Tokyo; 21:113-26.  
 (On the catch of yellowtails from a  
 meteorological viewpoint). Ni En

M

Sapporo. Meteorological 59-9006  
 Observatory (1958)  
mem.met.Agency, Tokyo, 40:11-47  
 Visual observations carried out on  
 board ships and aircrafts

M

Uda, M. (1957) 59-9007  
J.met.Soc.Japan, 75:372-7  
 A note on the modification of air  
 masses over the seas adjacent to  
 Japan

M

Manabe, S. (1957) 59-9010  
J.met.Soc.Japan, 35:311-26  
 On the modification of air-mass  
 over the Japan Sea when the outburst  
 of cold air predominates

M

Mertins, H.O. (1958) 59-9008  
Wetterlotse, 132:142-4  
 Die Sturmhäufigkeit auf den  
 Fischfangplätzen im Jahre 1957  
 (Storm frequency on the fishing areas  
 during 1957)

I

Winchester, J.W. & 59-9011  
 C.C. Bates (1957)  
J.atmos.terr.Phys., Spec.Suppl., P.  
Polar atmos.Symp., Pt.I, 1956:323-34  
 Meteorological conditions and the  
 associated sea ice distribution in the  
 Chuckchi Sea during the summer of  
 1955

M

Kobe. Marine 59-9009  
 Observatory (1958)  
J.Oceanogr., Kobe, Ser.2, 8(6):5-19  
 (Disasters to fishing ships that  
 encountered the typhoon 5719). Hi

I

Hidaka, K. (1958) 59-9012  
Geophys.Mag., Tokyo, 28:357-65  
 Dynamics of ocean currents parallel  
 to a long straight coast

M

Bates, C.C. (1957) 59-9013  
J.atmos.terr.Phys., Spec.Suppl., P.  
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 Current status of sea ice  
 reconnaissance and forecasting for the  
 American Arctic

Watanabe, K. & 59-9016  
 I. Nakayama (1958)  
Mem.met.Agency, Tokyo, 40:49-77  
 (Results of non-vertical aerial  
 photographic survey of sea-ice in the  
 south-western region of the Okhotsk  
 Sea in Jan.-Apr., 1957). Ni En

Kawanabe, Y. (1958) 59-9014  
Mem.Mar.Obs.Kobe, 12(1):21-31  
 On the forecasting of the W-ly monsoon  
 in winter

Sawada, T. (1958) 59-9017  
Mem.met.Agency, Tokyo, 40:117-24  
 (On the daily ice-edge displacements  
 of the pack-ice area covered on entire  
 southern Okhotsk Sea in thawing time,  
 1956). Ni En

Kersten, W. (1958) 59-9015  
Wetterlotse, (132):139-40  
 Hundert Fahrten Bordwetterdienst für  
 die Hochseefischerei (Hundred  
 voyages of meteorological service on  
 board for the deep sea fisheries)

Kersten, W. (1958) 59-9018  
Wetterlotse, (131):105-13  
 Eigentümliches Windspiel im westlichen  
 Mittelmeer (Peculiar eddies  
 in the western Mediterranean)



Japan. Meteorological Agency. 59-9019  
Oceanographical Section (1957)  
Oceanogr.Rep., Tokyo, 6:181-96  
(Report of multiple ship survey in the  
polar front region from June to July  
1957 - Oceanographic project for the  
International Geophysical Year).  
Ni En

M

Japan Meteorological 59-9022  
Agency (1958)  
Mem.met.Agency, Tokyo, 40:128 p.  
(Sea ice report of Japan).  
Ni En

M

Nagasaki. Marine Observatory 59-9020  
Oceanographical Section (1957)  
Oceanogr.Rep., Tokyo, 6:225-32  
(Report of the oceanographic  
observations in the seas west of Japan  
from August to September, 1957).  
Ni En

M

Kobe. Marine 59-9023  
Observatory (1957)  
J.Oceanogr., Kobe, Ser.2, 8(4):10.  
(Change of the schedule of  
meteorological broadcasting at  
Hongkong). Ni

M

Sapporo. District 59-9021  
Meteorological Observatory.  
Observation Section (1958)  
Mem.met.Agency, Tokyo, 40:105-16  
(Synoptic sea-ice charts of the  
U.S.S.R.). Ni En

M

Davis, C.C. (1959) 59-9024  
Ohio J.Sci., 59:101-2  
Damage to fish fry by cyclopoid  
copepods

F

Specht, R.L. & 59-9025  
 C.P. Mountford (Ed.)(1958)  
Rec.Amer.-Aust.sci.Exped.Arnhem Land,  
(3):521 p.  
 Botany and plant ecology  
 Incl. descriptions of new spp. of  
 algae.

:sjh

F

Harnisch, O. (1958) 59-9028  
Z.Naturf., 13b:545-7  
Beobachtungen an den Fettkörper-  
Einschlüssen der Larven von  
Chironomus thummi und Chir.  
anthracinus bei erhöhter Temperatur  
(26 und 28°C) (Observations on  
fat enclosures in larvae of  
Chironomus thummi and Chironomus  
anthracinus at increased  
temperature)

F

Harnisch, O. (1958) 59-9026  
Z.Naturf., 13b:109-10  
Anaerobe Färbung einiger planktonischer  
Organismen mit dem Reduktionsindikator  
Triphenyltetrazoliumchlorid (TTC)  
(Anaerobic colouration of some  
planktonic organisms with the reduction  
indicator triphenyltetrazole-chloride)

F

Harnisch, O. (1958) 59-9029  
Biol.Zbl., 77:49-54  
Bestimmungen der in Eisessig  
löslichen Peroxyde an den Larven von  
Chironomus plumosus (Determination  
of glacial acetic acid soluble  
peroxydes of Chironomus plumosus  
larvae)

F

Harnisch, O. (1958) 59-9027  
Naturwissenschaften, 45(13):3 p.  
Beobachtungen an der Atmungsgrösse von  
Chironomuslarven bei gesteigerter  
Temperatur (Observations on the  
respiration power of Chironomus larvae  
at increased temperature)

F

Harnisch, O. (1958) 59-9030  
Zool.Jb.(3), 67:293-310  
Elektrochemische Messungen am O<sub>2</sub>  
Gehalt von Lösungen mit Tubifex  
und Chironomus-larven unter sehr  
geringem O<sub>2</sub>-Partialdruck  
(Electro-chemical measurements of O<sub>2</sub>  
contents in solutions with Tubifex  
and Chironomus larvae under very low  
partial pressure of O<sub>2</sub>)

F

Harnisch, O. (1958) 59-9031  
Naturwissenschaften, 45(1):2 p.  
 Ein Mittel zur Ausschaltung von  
 Oberflächen (Z.B. Kiemen) wirbelloser  
 Tiere bei respirationsphysiologischen  
 Messungen (A mean of covering  
 surfaces - i.e. gills - of invertebrates  
 during respiratory-physiological  
 measurements)

Harnisch, O. (1958) 59-9034  
Biol.Zbl., 77:300-10  
 Untersuchungen an den Analkiemen  
 der Larve von Agrion  
 (Investigations on the anal gills of  
 the larva of Agrion)

F

Harnisch, O. (1958) 59-9032  
Zool.Anz., 160(3-4):42-7  
 Tracheenkiemen Gehäuse tragender,  
 rau penförmiger Trichopterenlarven  
 bei erniedrigtem O<sub>2</sub>-Partialdruck  
 (Tracheal gills of shelled, worm-like  
 Trichoptera larvae at lowered partial  
 pressure of O<sub>2</sub>)

Nicholls, A.G. (1957) 59-9033  
Ann.Mag.nat.Hist., Ser.12, 10:896-904  
 Harpacticoid copepods commensal with  
 crabs

F

M

Harnisch, O. (1958) 59-9033  
Zool.Anz., 161(1-2):56-60  
 Das geschlossene Tracheensystem der  
 Larve von Simulium bei stark  
 erniedrigtem O<sub>2</sub>-Partialdruck  
 (The closed tracheal system of the  
 larva of Simulium at very much  
 lowered partial pressure of O<sub>2</sub>)

Seidel, K. (1957) 59-9036  
Flechtwerk, 1956-1957:20 p.  
 Unsere Flechtbinsen (Our sedge)

F

F

Seidel, K. (1957) 59-9037  
Naturwissenschaften, 44(9):3 p.  
Umstimmung des negativen Geotropismus  
(Conversion of negative geotropism)

Paquette, R.G. & 59-9040  
H.F. Frolander (1957)  
Univ. Wash. Publ., (199)  
Improvements in the Clarke-Bumpus  
plankton sampler

3

MF

Seidel, K. (1957) 59-9038  
Umschau, 19(1957):2 p.  
Wasserpflanzen - nur lästige  
Schmarotzer? Fragestellungen und  
Forschungsergebnisse (Water-  
plants - Only undesirable parasites?  
Questions and results of investigations)

Frolander, H.F. (1957) 59-9041  
Univ. Wash. Publ., (201)  
A plankton volume indicator

F

MF

Utermohl, H. (1957) 59-9039  
Die Heimat, Sept. 1957:3 p.  
Professor Thienemann 75 Jahre alt  
(Professor Thienemann, 75 years old)

Jentoft, R.E. & 59-9042  
R.J. Robinson (1957)  
Univ. Wash. Publ., (211)  
Potassium-chlorinity ratio of ocean  
water

F

M



Maruyama, E. (1957) 59-9043  
Sokko Jiho, 24:365-70  
(Micrometeorology). Ni

G

FAO Mediterranean 59-9046  
Development Project (1959)  
Rome, 165 p.  
Yougoslavie - Rapport national  
(Yugoslavia - National Report)

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

Harris, B., A. Hauptschein 59-9044  
& L.S. Schwarz (1958)  
Operat.Res.Quart., 6(4):516-29  
Optimum information-acquisition  
systems

A criterion of performance, average  
total cost, has been suggested for  
rating communication systems. This  
criterion accounts for the risk cost of  
a decision & the corresponding  
communication cost. Risk cost is an  
explicit function of system reliability,  
whereas communication cost is the  
expense of transmitting the information.

clb

G

FAO Mediterranean 59-9047  
Development Project (1959)  
Rome, 142 p.  
Lebanon - Country report

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9045  
Development Project (1959)  
Rome, 77 p.  
Tunisie - Rapport national  
(Tunisia - National report)

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

FAC Mediterranean 59-9048  
Development Project (1959)  
Rome, 216 p.  
Greece - Country report

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9049  
Development Project (1959)  
Rome, 246 p.  
Iraq - Country report

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

FAO Mediterranean 59-9052  
Development Project (1959)  
Rome, 185 p.  
Turkey - Country report

Incl. general demographic & geographic  
summaries & few paragraphs on  
fisheries resources, water use &  
international rivers problems.

FiB:sjh

MF

FAO Mediterranean 59-9050  
Development Project (1959)  
Rome, 186 p.  
United Arab Republic - Syrian Region -  
Country report

General demographic, economic &  
geographic summaries. No specific  
reference to fisheries.

FiB:sjh

G

Greenwood, M.R. (1959) 59-9053  
Comm.Fish.Rev., 21(7):1-13  
Shrimp exploration in central  
Alaskan waters by M/V JOHN N. COBB,  
July-August 1958

Chart, gear specification, fishing  
results in various localities.  
Catches of Pandalus, Pandalopsis &  
Eulas spp.

FAO:sjh

M

FAO Mediterranean 59-9051  
Development Project (1959)  
Rome, 251 p.  
Maroc - Rapport national  
(Morocco - National report)

General demographic, economic  
& geographic summary. No specific  
reference to fisheries.

FiB:sjh

G

Steele, R.E. (1959) 59-9054  
Comm.Fish.Rev., 21(7):14-5  
Current status of the Inter-  
American development bank

When proposed Inter-American  
development bank is approved by  
members of OAS, it will be simpler &  
easier for US businessmen to invest  
in Latin American industries. Since  
US fisheries interests are  
contemplating working with Latin  
American countries in developing the  
fisheries of those countries, it is  
to their advantage to study the

59-9054  
(Card 2)

purpose, responsibilities &  
functions of the bank.

FAO:res

M

Anonymous (1959)

59-9058

Comm.Fish.Rev., 21(7):24

Alaska - Fish and Game Board prepares  
for state control

Alaska Board provided for immediate  
assumption of State fish & game  
control, should federal authority be  
successfully challenged in the courts.  
The Board laid the groundwork for  
state control by declaring that an  
emergency now exists with regard to  
the question of jurisdiction over fish  
& game in Alaska.

FAO:cfr

MF

Thompson, M.H. (1959) 59-9056

Comm.Fish.Rev., 21(7):16-20

Proximate composition of Gulf of  
Mexico industrial fish - Part 3. Fall  
studies (1958)

The protein, oil, ash, & moisture  
content of limited samples of 17 spp.  
of fish commonly taken during fall in  
the area are reported. Incl. also  
are length & weight data for those  
same spp. The method of sampling is  
evaluated.

WFA 11(1):47.

FAO:mht

M

Anonymous (1959)

59-9059

Comm.Fish.Rev., 21(7):25

California - Crab and shrimp studied  
off Central California coast (M/V  
N.B. SCOTFIELD cruise 59-S-2)

Contents as per title.

FAO:

M

Anonymous (1959)

59-9057

Comm.Fish.Rev., 21(7):24

Alaska - Fish and Game Board sets  
policy

The newly-created Alaska Board of Fish  
& Game has endorsed the Governor's  
policy decisions relating to the  
fisheries resources of Alaska, made  
prior to the creation of that Board.

FAO:cfr

MF

Anonymous (1959)

59-9060

Comm.Fish.Rev., 21(7):25-6

California - Pelagic fish and  
barracuda studied off Baja California  
coast (M/V ALASKA cruise 59-A-2)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9061  
Comm.Fish.Rev., 21(7):26-3  
California - Aerial census of  
commercial fishing continued

Contents as per title.

FAO: M

Anonymous (1959) 59-9064  
Comm.Fish.Rev., 21(7):31-2  
Great Lakes fishery investigations -  
Program of the research vessel CISCO  
for 1959

Contents as per title.

FAO: F

Anonymous (1959) 59-9062  
Comm.Fish.Rev., 21(7):29-30  
Clams - Studies develop source of seed  
and planting techniques

Contents as per title.

FAO: M

Anonymous (1959) 59-9065  
Comm.Fish.Rev., 21(7):32  
Great Lakes fishery investigations -  
Western Lake Superior fishery  
survey (M/V SISCOWET cruise 1)

Contents as per title.

FAO: F

Anonymous (1959) 59-9063  
Comm.Fish.Rev., 21(7):30  
Crabs - Green crabs controlled with  
chemical

To control the crabs which destroy  
clams laboratory at Boothbay Harbor  
is using lindane.

FAO:cfr M

Anonymous (1959) 59-9066  
Comm.Fish.Rev., 21(7):32-3  
Great Lakes fishery investigations -  
Western Lake Erie biological  
research continued (M/V GEORGE L.  
cruises 1 and 2)

Contents as per title.

FAO: F



Anonymous (1959) 59-9067  
Comm.Fish.Rev., 21(7):33-4  
Gulf exploratory fishery program -  
Commercial red snapper trawling  
operations on Campeche Bank completed  
(M/V SILVER BAY cruise 16)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9070  
Comm.Fish.Rev., 21(7):37-8  
Gulf fishery investigations -  
Shrimp

Contents as per title.

FAO:

M

Anonymous (1959) 59-9068  
Comm.Fish.Rev., 21(7):34-5  
Gulf exploratory fishery program -  
Exploratory fishing for midwater fish  
stocks between Mississippi delta and  
Brownsville, Tex. (M/V OREGON cruise  
58)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9071  
Comm.Fish.Rev., 21(7):38  
Gulf fishery investigations -  
Red tide studies

Contents as per title.

FAO:

M

Anonymous (1959) 59-9069  
Comm.Fish.Rev., 21(7):36-7  
Gulf exploratory fishery program -  
Midwater trawling for school fish in  
the North Central Gulf of Mexico (M/V  
OREGON cruise 59)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9072  
Comm.Fish.Rev., 21(7):39  
Gulf fishery investigations -  
Industrial fishes

Contents as per title.

FAO:

M

Anonymous (1959) 59-9073  
Comm.Fish.Rev., 21(7):40-1  
North Atlantic fisheries exploration  
and gear research - Good catches of  
tuna taken on edge of Gulf stream  
south-by-east of Nantucket (M/V  
DELAWARE cruise 59-6)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9076  
Comm.Fish.Rev., 21(7):43-4  
South Carolina - Fisheries biological  
research progress, January-March 1959

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9074  
Comm.Fish.Rev., 21(7):41-2  
North Pacific exploratory fishery  
program - Devices to improve otter-  
trawl performance tested (M/V JOHN N.  
COBB cruise 42)

Contents as per title.

FAO:

M

Anonymous (1959) 59-9077  
Comm.Fish.Rev., 21(7):44-5  
Spot - Abundance in Chesapeake Bay  
predicted lower in 1959

Contents as per title.

FAO:

M

Anonymous (1959) 59-9075  
Comm.Fish.Rev., 21(7):42-3  
Salmon - California plants marked  
king salmon fingerlings

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9078  
Comm.Fish.Rev., 21(7):46  
Tuna - California captain fishing out  
of Puerto Rico reports tuna plentiful  
in Eastern Atlantic

Contents as per title.

FAO:

M

Anonymous (1959) 59-9079  
Comm.Fish.Rev., 21(7):59  
Canada - Dogfish eradication program  
disappointing

Contents as per title.

FAO:

M

Anonymous (1959) 59-9082  
Comm.Fish.Rev., 21(7):62-3  
Ceylon - Japanese aid sought in 5-  
year fishery plan

Contents as per title.

FAO:

M

Anonymous (1959) 59-9080  
Comm.Fish.Rev., 21(7):60  
Canada - Commercial fishing licenses  
issued in British Columbia increased  
in 1958

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9083  
Comm.Fish.Rev., 21(7):63-4  
Cuba - Closed season for bullfrogs,  
sponges, and certain finfish

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9081  
Comm.Fish.Rev., 21(7):61  
Canada - Atomic power may cancel need  
for hydroelectric power from rivers  
with fish runs

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9084  
Comm.Fish.Rev., 21(7):65-6  
Denmark - Review of Faroe Islands  
fisheries, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-9085  
Comm.Fish.Rev., 21(7):68-9  
Iran - Shrimp fishery in the Persian  
Gulf expanding

Contents as per title.

FAO: MF

Anonymous (1959) 59-9088  
Comm.Fish.Rev., 21(7):72  
Japan - Albacore tuna fishing slow  
in developing

Contents as per title.

FAO: MF

Anonymous (1959) 59-9086  
Comm.Fish.Rev., 21(7):69  
Italy - Electronic device to measure  
strain on otter trawls developed

FAO: MF

Anonymous (1959) 59-9089  
Comm.Fish.Rev., 21(7):73  
Japan - Exploratory tuna fishing  
vessel reports good catches off  
Galapagos Islands

Contents as per title.

FAO: M

Anonymous (1959) 59-9087  
Comm.Fish.Rev., 21(7):72  
Japan - Tuna mothership operations  
and research

Contents as per title.

FAO: MF

Anonymous (1959) 59-9090  
Comm.Fish.Rev., 21(7):75  
Mexico - Voluntary closed season for  
shrimp fishing in Campeche Area

Contents as per title.

FAO: MF



Anonymous (1959) 59-9091  
Comm.Fish.Rev., 21(7):76-7  
Mozambique - Portuguese-American  
company to fish for shrimp and spiny  
lobster

Contents as per title.

FAO: M

Anonymous (1959) 59-9094  
Comm.Fish.Rev., 21(7):79  
Bonito and anchovy catches lower in  
Chimbote Area

Contents as per title.

FAO: M

Anonymous (1959) 59-9092  
Comm.Fish.Rev., 21(7):77  
Norway - Lofoten Area cod landings  
higher in 1959

Contents as per title.

FAO: M

Anonymous (1959) 59-9095  
Comm.Fish.Rev., 21(7):83-4  
Sweden - Oscilloscope and electric  
ground wire developed as aid to  
navigation

Contents as per title.

FAO: M

Anonymous (1959) 59-9093  
Comm.Fish.Rev., 21(7):78  
Panama - Pink shrimp fail to appear  
for second time

Contents as per title.

FAO: M

Anonymous (1959) 59-9096  
Comm.Fish.Rev., 21(7):84-6  
Sweden - Fishing industry, 1958

Contents as per title.

FAO: MF

Anonymous (1959) 59-9097  
Comm.Fish.Rev., 21(7):86-7  
Tunisia - Fisheries landings increased  
since 1955

Contents as per title.

FAO:

E



Anonymous (1959) 59-9100  
Comm.Fish.Rev., 21(7):91  
U.S.S.R. - Expansion of ocean research  
planned

In 1959, 2 new research vessels,  
the VOEIKOV & the SHOKALSKY, will  
make their maiden voyages to the  
Pacific Ocean.

FAO:cfr

M

Anonymous (1959) 59-9098  
Comm.Fish.Rev., 21(7):89-91  
Union of South Africa and South-West  
Africa - Union and South-West Africa  
fish catch, 1958

Contents as per title.

FAO:

M

Anonymous (1959) 59-9101  
Comm.Fish.Rev., 21(7):91-2  
U.S.S.R. - Submarine returns from  
fishery research cruise

Contents as per title.

FAO:

M

Anonymous (1959) 59-9099  
Comm.Fish.Rev., 21(7):91  
U.S.S.R. - Tuna vessels reported  
fishing near Caroline Islands

Contents as per title.

FAO:

M

Anonymous (1959) 59-9102  
Comm.Fish.Rev., 21(7):96-8  
Department of the Interior. Fish and  
Wildlife Service - Alaska Bristol Bay  
limited commercial salmon fishing  
regulations for 1959 issued

Contents as per title.

FAO:

MF

Anonymous (1959) 59-9103  
Comm.Fish.Rev., 21(7):99-102  
Eighty-sixth Congress (first session)

Public bills and resolutions which may directly or indirectly affect the fisheries & allied industries are reported. Introduction, referral to committees, pertinent legislative actions, hearings, & other actions by the House & Senate, as well as signature into law or other final disposition are covered.

FAO:cfr

MF

II

George, R.W. (1958) 59-9104  
Thesis, Univ. of W.Australia, 144 p.  
Biology of the Western Australian commercial crayfish, Panulirus longipes

Wilder, D.G. (1957) 59-9106  
Ottawa, 25 p.  
Canada's lobster fishery

Woods Hole Oceanographic Institution (1958) 59-9107  
Woods Hole, Mass., 128 p.  
Oceanographic data from CRAWFORD cruise 16, 1 Oct.-11 Dec. 1957 for the International Geophysical Year of 1957-58

Japan. Association for Agriculture & Forestry (1958) 59-9105  
Tokyo, 209 p.  
Illustration of Japanese fishing boats and fishing gear. Ln Ni

Woods Hole Oceanographic Institution (1958) 59-9108  
Woods Hole, Mass., 18 p.  
Project ice skate oceanographic data

Mauritius. Fishery 59-9109  
Branch (1958)  
Port Louis  
Annual report 1956

Washington (State) 59-9112  
Department of Fisheries (1958)  
Olympia  
67th annual report

MF

Kenya. Colony & 59-9110  
Protectorate (1958)  
Nairobi  
Report on Kenya fisheries 1957

Haig, J. (1957) 59-9113  
Amer. Mus. Novit., (1865)  
Porcellanid crabs of the ASKOY  
expedition to the Panama Bight

MF

MF

South Australia. Department 59-9111  
of Fisheries & Game (1958)  
Adelaide  
Annual report 1957/58

Brett, J.R. (1957) 59-9114  
Stud. Stas Fish. Res. Bd Can., (501)  
Implications and assessments of  
environmental stress

MF

MF



Waldichuk, M. (1957) 59-9115  
Stud.Stas Fish.Res.Bd Can., (510):  
Report on pollution studies  
conducted in Western Canada

MF

Dreosti, G.M. & 59-9118  
w.Wesemann (1958)  
Progr.Rep.Fish.Ind.Res.Inst., S.Afr.,  
(40)  
Clearing of sea water by  
flocculation

M

Neave, F. (1957) 59-9116  
Stud.Stas. Fish.Res.Bd Can., (511)  
Stream ecology and production of  
anadromous fish

MF

Johnson, T.W., Jr. & 59-9119  
H.S. Gold (1957)  
Contr.Duke Univ.Mar.Lab., (95)  
Didymosamarospora, a new genus of  
fungi from fresh and marine waters

MF

Rowen, A.N. (1958) 59-9117  
Progr.Rep.Fish.Ind.Res.Inst., S.Afr.,  
(33)  
Pilchard taggings: recovery of tags  
during 1957

M

Johnson, T.W., Jr. (1957) 59-9120  
Contr.Duke Univ.Mar.Lab., (96)  
Marine fungi - III. Phycomycetes

M

Maturo, F.J.S., Jr. (1957) 59-9121  
Contr.Duke Univ.Mar.Lab., (97)  
Study of the Bryozoa of Beaufort,  
North Carolina, and vicinity

Hunter, W.S. & 59-9124  
W.B. Vernberg (1957) :  
Contr.Duke Univ.Mar.Lab., (100)  
Further observations on the life-  
cycle of Cynaecotyla adunca (Linton,  
1905)

M

Costlow, J.D., Jr. & 59-9122  
C.G. Bookhout (1957)  
Contr.Duke Univ.Mar.Lab., (98)  
Larval development of Balanus eburneus  
in the laboratory

Broad, A.C. (1957) 59-9125  
Contr.Duke Univ.Mar.Lab., (101)  
Larval development of the crustacean  
Thor floridanus Kingsley

M

Johnson, T.W., Jr. (1957) 59-9123  
Contr.Duke Univ.Mar.Lab., (99)  
On the marine phycomete  
Thraustochytrium proliferum

Pantin, H.M. (1957) 59-9126  
Contr.N.Z.oceanogr.Inst., (23)  
Fossiliferous concretions from the  
shelf southeast of Cape Campbell,  
New Zealand

M

U.K. Treaties, etc. (1959) 59-9127  
Treaty Ser., U.K. (22)

Protocol to the International  
Convention for the Northwest  
Atlantic Fisheries signed at  
Washington on February 8, 1949;  
Washington, June 25, 1956

Amendment to para. 5 of Art. II of  
1949 Convention; concerning holding  
of annual meetings of Commission  
outside N. America. List of  
countries and dates of ratifications.

FAO:sjh

M

Wilson, B.W. (1957?) 59-9130  
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,  
(83)

Origin and effects of long period  
waves in ports

M

Udvardy, M.D.F. (1958) 59-9128  
Further zool.Res.Swed.Antarct.Exp.,  
5(1)

Appendicularia from the Dept. of  
Invertebrate Zoology, Swedish Museum  
of Natural History, Stockholm

M

Fagg, D.B. (1957) 59-9131  
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,  
(88)

Recent marine sediments and  
pleistocene surface of Matagorda  
Bay, Texas

M

Hill, H.O. & 59-9129  
E.W. Paget-Tomlinson (Comp.)(1958?)  
Greenwich, National Maritime Museum  
Instruments of navigation. Catalogue  
and description of the tools used by  
seamen to find their way, with notes  
upon their use

M

Shenton, E.H. (1957) 59-9132  
Coll.Repr.Oceanogr.Met.A.&M.Coll.Tex.,  
(89)

Study of the foraminifera and  
sediments of Matagorda Bay, Texas

M

Anderson, E.W. (1957) 59-9133  
J.Inst.Navig., 10(2):156-61  
 Navigation in polar regions  
 Problems explained.

:pr

M

Moskalenko, B.K. (1957) 59-9136  
 Moscow, Gosudarstvennoie Izdatel'stvo  
 Geograficheskoi Literatury, 144 p.  
 Na Pechorsk m beregu (On the  
 banks of the Pechora)

Experiences at fishing, hunting &  
 reindeer-farming collective farms  
 in Nar'yan Mar area, 1940-44.

:pr

F

Shliamin, B.A. (1957) 59-9134  
 Moscow, Gosudarstvennoie Izdatel'stvo  
 Geograficheskoi Literatury, 96 p.  
 Okhotskoie more (Sea of Okhotsk)  
 Physical geography of sea & its shores;  
 brief history of exploration.

:pr

M

Schytt, V. (1957) 59-9137  
Ymer, 77(1):19-38  
 Med en rysk expedition i Arktis  
 (With a Russian expedition in the  
 Arctic). En

Soviet oceanographical research  
 expedition in OB in Arctic Ocean,  
 August-September 1956.

:pr

M

Fraser, R. (1957) 59-9135  
 London, Hodder & Stoughton, 160 p.  
 Once round the sun: the story of the  
 International Geophysical Year 1957-58  
 Outline of present geophysical  
 knowledge & programme of IGY.

:pr

G

Gvozdetskii, N.A. (1957) 59-9138  
 Moscow, Gosudarstvennoie Izdatel'stvo  
 Geograficheskoi Literatury, 208 p.  
 Sorok let issledovani i otkrytii  
 (Forty years of exploration and  
 discovery)

Popular account of major Soviet  
 geographical discoveries in Soviet  
 Arctic & adjacent seas since 1917.

:pr

M



Burkhanov, V.F. (Ed.)(1957) 59-9139  
 Moscow, Gosudarstvennoie Izdatel'stvo  
 Geograficheskoi Literatury, 384 p.  
**Cherez okean na dreyfuiushchikh**  
**l'dakh** (Across the ocean on  
 drifting ice)

Collected narratives of Soviet drifting  
 stations in Arctic Ocean, from SF-1  
 (1937-38) to SP-5(1955-56).

pr

M

Krauss, W. (1958) 59-9142  
Dtsch.hydrogr.Z., 11:194-207  
**Interne Wellen grosser Amplitude -**  
**Teil 2. Beobachtungen** (Internal  
 waves of great amplitude - Part 2.  
 Observations). En Fr

Analyses of the amplitudes by  
 latitudes & suggestion that internal  
 tides & inertial oscillations  
 predominate.

FAO:tl

M

Lebedev, V.L. (1957) 59-9140  
 Moscow, Gosudarstvennoie Izdatel'stvo  
 Geograficheskoi Literatury, 192 p.  
**Antarktika** (The Antarctic)

Physical geography: land ice, sea ice,  
 climate, flora & fauna, oceanography.

pr

M

Hasselmann, K. (1958) 59-9143  
Dtsch.hydrogr.Z., 11:207-17  
**Zur Deutung der dreifachen**  
**Geschwindigkeitskorrelationen der**  
**isotropen Turbulenz** (On the  
 interpretation of the triple velocity  
 correlations of isotropic turbulence).  
 En Fr

The influence of the inertia forces  
 in isotropic turbulence represented  
 by the triple-velocity correlations in  
 Kármán-Howarth's equation is  
 explained in terms of the momentum  
 convected through the surface of a  
 spherically delimited region in

Nusser, F. (1958) 59-9141  
Dtsch.hydrogr.Z., 11:185-94  
**Zusammenhang zwischen Grosswetterlage**  
**und Eisvorkommen an den deutschen**  
**Küsten** (Relations between general  
 situations and ice occurrence on the  
 German coasts). En Fr

A study of the general weather types &  
 situations that occurred, according to  
 records of the last sixty years,  
 during the ice period from 22 Nov. to  
 10 April are investigated to establish  
 fundamental facts for scientifically  
 founded ice forecasting.

FAO:tl

M

59-9143  
 (Card 2)  
 spherically delimited region in  
 the fluid.

FAO:tl

M

Liepolt, R. (1958) 59-9145  
Verh.int.Ver.Limnol., 13:481-90  
Gewässerverunreinigung in Österreich  
durch Holzindustrieabwässer  
(Water pollution in Austria by  
waste waters of the wood industry)

Description of the pollution of  
natural waters caused by different  
kind of pulp & paper industry.

SJH:tl

F

Silfversparre, W. (1958) 59-9148  
Verh.int.Ver.Limnol., 13:514-24  
Die Verunreinigung des Wasserlaufes  
unterhalb einer Sulfitfabrik und  
deren Ausklingen (The pollution of  
a watercourse below a sulfite pulp  
mill and its effects)

Description of the pollution of a  
stream in Finland & its effects on  
chemistry of the recipient.

SJH:tl

F

Schräder, T. (1958) 59-9146  
Verh.int.Ver.Limnol., 13:491-506  
Chemische und biologische  
Auswirkungen von Sulfitablaugen in den  
Grosstalsperren an der oberen Saale  
(Thüringen) (Chemical and biological  
effects of sulfite wastes on the  
large artificial lakes of the upper  
Saale, Thüringen)

Description of the effect of the  
waste on O<sub>2</sub> content, KMnO<sub>4</sub> consumption,  
plankton & benthos populations of the  
lakes.

SJH:tl

F

Mossewitsch, N.A. & 59-9149  
A.G. Gussew (1958)  
Verh.int.Ver.Limnol., 13:525-32  
Der Einfluss der Abwässer von  
Holzverarbeitungswerken auf Gewässer  
und Wasserorganismen (The influence  
of waste waters from pulp mills  
on water bodies and water  
organisms)

Review of the results of various  
investigations of the subject, with  
emphasis on results from USSR.

SJH:tl

F

Stundl, K. (1958) 59-9147  
Verh.int.Ver.Limnol., 13:507-13  
Versuche über die Wirkung von  
Abwässern holzverarbeitender Industrien  
auf Vorflutorganismen (Experiments  
on the influence of waste waters from  
pulp industries on the organisms of the  
recipient canals)

Laboratory experiments, testing the  
influence of different concentrations  
of wastes on fresh water fish.

SJH:tl

F

Müller, K. (1958) 59-9150  
Verh.int.Ver.Limnol., 13:533-44  
Die Einflüsse der Flösserei auf die  
Fischerei in Schwedisch-Lappland  
(The influence of logg floating on the  
fishery in Swedish Lapland)

Description of this influence on the  
pollution & on fish stocks.

SJH:tl

F

Rennerfelt, J.G.V. (1958) 59-9151  
Verh.int.Ver.Limnol., 13:545-56  
 BOD of pulp mill wastes, its  
 determination and importance

Description of the chemical &  
 mathematical methods.

SJH:tl

F

Laurent, P.J. (1958) 59-9154  
Verh.int.Ver.Limnol., 590-5  
 Résistance de crustacés d'eau douce  
 à l'action du chromate de sodium  
 (Resistance of fresh water crustacea  
 to chromate of sodium)

Comparative results of intoxication  
 of Asellus aquaticus & Gammarus  
 (Rivulogammarus) pulex pulex.

SJH:hr

F

Muhrmann, K. & 59-9152  
 H. Woker (1958)  
Verh.int.Ver.Limnol., 13:557-83  
 Vergiftungen der aquatischen Fauna  
 durch Gewässerverunreinigungen  
 (Poisoning of aquatic fauna by  
 pollution of natural waters)

Nature of poisoning, basis for  
 judgment of poisoning in natural  
 waters & the characterization of  
 poisoning with notes on experimental  
 determination of toxicity.

SJH:tl

F

Ryhänen, R. (1958) 59-9155  
Verh.int.Ver.Limnol., 13:596-602  
 Einwirkung einer Kupfergrube auf  
 einen dystrophen See (The  
 influence of a copper mine on a  
 dystrophic lake)

Description of the influence of waste  
 waters from a copper mine in  
 Finland on a lake.

SJH:tl

F

Liét, M. (1958) 59-9153  
Verh.int.Ver.Limnol., 13:584-9  
 Corrélations entre l'analyse  
 biologique et l'analyse physico-  
 chimique des eaux courantes rhéophiles  
 polluées par matières organiques  
 (Correlation between biological and  
 physico-chemical analyses of stream  
 rheophile waters polluted by organic  
 matter)

Contains the results of studies  
 carried out by Belgian laboratories to  
 determine physico-chemical criteria  
 corresponding to different degrees of  
 pollution.

SJH:hr

F

Harrison, A.D. (1958) 59-9156  
Verh.int.Ver.Limnol., 13:603-10  
 The effects of sulphuric acid  
 pollution on the biology of streams  
 in the Transvaal, South Africa

Description of the influence of acid  
 waters from gold & coal mining  
 activities on the biology of the  
 streams.

SJH:tl

F



Sládeček, V. (1958) 59-9157  
Verh.int.Ver.Limnol., 13:611-6  
 Die Abhängigkeit des Belebtschlammver-  
 fahrens von physikalischen, chemischen  
 und biologischen Faktoren (The  
 influence of physical, chemical and  
 biological factors on the activated  
 sludge method)

Contents as per title.

SJH:tl

F

Lodge, M. & 59-9160  
 P.C.G. Isaac (1958)  
Verh.int.Ver.Limnol., 13:628-35  
 A study of the growth and some  
 aspects of the metabolism of certain  
 members of the Cyanophyceae in the  
 symbiotic stabilization of sewage

Description of the results of  
 experiments with Cyanophyceae  
 culture in England.

SJH:tl

F

Uhlmann, D. (1958) 59-9158  
Verh.int.Ver.Limnol., 13:617-23  
 Die biologische Selbstreinigung in  
 Abwasserteichen (Biological  
 selfpurification in waste water  
 ponds)

Zonation of groups of organisms in the  
 ponds & their purification effects.

SJH:tl

F

Šrámek-Hušek, R. (1958) 59-9161  
Verh.int.Ver.Limnol., 13:636-45  
 Die Rolle der Ciliatenanalyse bei der  
 biologischen Kontrolle von  
 Flussverunreinigungen (The role of  
 the ciliate analysis in the biological  
 control of river pollutions)

Discussion on the different spp. of  
 ciliates as indicators for different  
 pollution stages.

SJH:tl

F

Schulze, B. (1958) 59-9159  
Verh.int.Ver.Limnol., 13:624-7  
 Biologisch-chemische Vorgänge bei der  
 Nitratbehandlung von Abwässern  
 (Biological-chemical processes at the  
 nitrate treatment of waste waters)

Short review.

SJH:tl

F

Segerstråle, S.G. (1958) 59-9162  
Verh.int.ver.Limnol., 13:646-71  
 Brackish water - A quarter century  
 of brackishwater research

A review of brackish water problems  
 & research with extensive classified  
 bibliography.

SJH:tl

MF



Nisbet, M., G. Petit 59-9163  
 & D. Schachter (1958)  
Verh.int.Ver.Limnol., 13:672-5  
 Caractères chimiques de quelques  
 étangs méditerranéens - Considérations  
 sur la classification des eaux  
 saumâtres (Note préliminaire)  
 (Chemical characteristics of some  
 Mediterranean ponds - Considerations  
 on the classification of brackish  
 waters - Preliminary note)

Enumeration of chemical characteristics  
 of some Mediterranean brackish waters  
 & their changeable constitution.

SJH:hr

MF

Caspers, H. (1958) 59-9166  
Verh.int.Ver.Limnol., 13:687-98  
 Biologie der Brackwasserzonen im  
 Elbeästuar (Biology of the  
 brackish water zones in the estuary  
 of Elbe)

Description of the flora, fauna &  
 general ecology of the different  
 zones.

SJH:tl

MF

Schachter, D. (1958) 59-9164  
Verh.int.Ver.Limnol., 13:676-82  
 Contribution à l'étude écologique  
 d'un étang méditerranéen - Le plancton  
 de l'étang de l'Olivier (B.D.R.)  
 (Contribution to the ecological study  
 of a Mediterranean pond - The plankton  
 of the pond of Olivier, B.D.R.)

A physico-chemical & planktonological  
 study, chemical characteristics & zoo-  
 & phytoplankton components are listed.

SJH:hr

MF

Băcesco, M. & 59-9167  
 H. Dumitresco (1958)  
Verh.int.Ver.Limnol., 13:699-709  
 Les lagunes en formation aux  
 embouchures du Danube et leur  
 importance pour les poissons  
 migrateurs (The lagoons being  
 formed at the mouth of the Danube  
 and their value for the migratory  
 fishes)

A study of the flora & fauna of the  
 lagoons indicates their value as  
 nursery grounds for a number of spp.  
 of sturgeons, cyprinids, shads etc.

SJH:tl

MF

Bourrelly, P. (1958) 59-9165  
Verh.int.Ver.Limnol., 13:683-6  
 Algues microscopiques de quelques  
 cuvettes supralittorales de la région  
 de Dinard (Microscopic algae of  
 some supralittoral basins of the  
 Dinard region)

Records of algae in several basins.

SJH:hr

MF

Schlieper, C. (1958) 59-9168  
Verh.int.Ver.Limnol., 13:710-7  
 Über die Physiologie der Brack-  
 wassertiere (On the physiology of  
 brackish water animals)

General review of the physiological  
 problems, specific to brackish  
 water animals.

SJH:tl

MF

Lagerspetz, K. (1958) 59-9169  
Verh.int.Ver.Limnol., 13:718-21  
 The brackish-water tolerance of some  
 freshwater crustaceans

Description of the response of  
Daphnia & Asellus spp. to various  
 salinities.

SJH:tl

MF

Hoestlandt, H. (1958) 59-9172  
Verh.int.Ver.Limnol., 13:736-42  
 Reproduction de l'aloise atlantique  
 (Alosa alosa Linné) et transfert au  
 bassin méditerranéen (Reproduction  
 of the Atlantic shad, Alosa alosa  
 Linné, and its transplantation to the  
 Mediterranean basin)

A. alosa, A. fallax & A. rhodanensis  
 are found in France. The 1st returns  
 to rivers after 3 to 8 years; spawns  
 at +18°C; fertilized eggs of the sp.  
 were transferred to the Mediterranean,  
 kept in moisture at +18°C.

SJH:tl

MF

Droop, M.R. (1958) 59-9170  
Verh.int.Ver.Limnol., 13:722-30  
 Optimum relative and actual ionic  
 concentrations for growth of some  
 euryhaline algae

Results of laboratory culture  
 experiments.

SJH:tl

MF

Müller, W. (1958) 59-9173  
Verh.int.Ver.Limnol., 13:743-7  
 Das Wachstum der Quappe (Lota lota L.)  
 im Oderhaff und in deutschen Gewässern  
 (Growth of burbot, Lota lota L., in  
 lagoon of the Oder and in German  
 waters)

Contents as per title.

SJH:tl

MF

D'Ancona, U. (1958) 59-9171  
Verh.int.Ver.Limnol., 13:730-5  
 Fish - Comparative biology of eels in  
 the Adriatic and in the Baltic

Description of the developmental stages  
 of elvers in different localities in  
 Mediterranean.

SJH:tl

MF

Backiel, T., et al. (1958) 59-9174  
Verh.int.Ver.Limnol., 13:748-53  
 Ein Versuch zur Erhöhung der  
 Fischproduktion auf biocönotischer  
 Grundlage (Experiments on  
 increasing the fish production on  
 biocoenotical basis)

Discussion on possibilities of  
 increase of fish production by  
 artificial fertilization.

SJH:tl

F

Le Cren, E.D. (1958) 59-9175  
Verh.int.Ver.Limnol., 13:754-7  
 Preliminary observations on  
 populations of Salmo trutta in back in  
 Northern England

Notes on length frequencies,  
 population densities, food, spawning  
 activities & migrations.

Morawa, F.W.F. (1958) 59-9178  
Verh.int.Ver.Limnol., 13:770-5  
 Einige Beobachtungen über die  
 Schwannungen des Fett- und Wasser-  
 gehaltes von Fischen aus  
 verschiedenen Umweltverhältnissen  
 (Some observations on the variations  
 of fat & water content of fishes  
 from different environmental  
 condition)

Contents as per title.

SJH:tl

MF

SJH:tl

F

Vibert, R. (1958) 59-9176  
Verh.int.Ver.Limnol., 13:758-64  
 Critères et tests de rusticité chez  
 les truites et les saumons  
 (Criteria and test of hardiness among  
 trout and salmon)

The causes of mortality among trout  
 & salmon are: currents, extreme  
 temperatures, & predators. A  
 comparative method for test of degrees of  
 hardiness to those causes is described  
 & discussed.

SJH:hr

F

Tonolli, V. (1958) 59-9179  
Verh.int.Ver.Limnol., 13:776-7  
 Other zoological studies -  
 Zooplankton swarms

Short discussion on the causes &  
 characteristics of swarming.

SJH:tl

F

Wu, H.-W. & 59-9177  
 C.-C. Jao (1958)  
Verh.int.Ver.Limnol., 13:765-9  
 Fish farming in the shallow lakes in  
 China

Characteristics of lakes & fish  
 used for culture with notes on  
 essential features of pisciculture  
 in lakes.

SJH:tl

F

Elgmork, K. (1958) 59-9180  
Verh.int.Ver.Limnol., 13:778-84  
 On the phenology of Mesocyclops  
oithonoides (G.O.Sars)

Description of the annual cycle &  
 its relations to environmental  
 conditions.

SJH:tl

F



Hamilton, J.D. (1958) 59-9181  
Verh.int.Ver.Limnol., 13:785-8  
On the biology of *Holopedium gibberum*  
Zaddach (Crustacea: Cladocera)

Description of the jelly mass,  
coloration & distribution of the  
organism.

SJH:tl

F

Wülker, W. (1958) 59-9184  
Verh.int.Ver.Limnol., 13:805-13  
Die Bedeutung der Chironomiden für die  
limnologisch- tiergeographische  
Charakterisierung des Hochschwarz-  
waldes (The importance of  
chironomids for the limnological-  
zoogeographical characterization of  
the higher Black Forest)

Contents as per title.

SJH:tl

F

Lieder, U. (1958) 59-9182  
Verh.int.Ver.Limnol., 13:789-98  
Ablaufsformen und Tempo der Evolution  
der polytypischen baltischen  
Planktoncladoceren (Developmental  
stages & speed of the evolution of  
the polytypical Baltic planktonic  
cladocerans)

Contents as per title.

SJH:tl

MF

Segerstråle, S.G. (1958) 59-9185  
Verh.int.Ver.Limnol., 13:814-6  
The immigration history of the  
aquatic fauna of Northern Europe

Review of the development of the  
aquatic fauna after last glaciation  
in North Europe.

SJH:tl

MF

Koshov, M.M. (1958) 59-9183  
Verh.int.Ver.Limnol., 13:799-804  
Über die Genesis der ökologischen  
Hauptkomplexe in der heutigen Fauna  
des Baikalsees (On the genesis of  
the principal ecological complexes of  
the present fauna of the Lake Baikal)

Description of the typical faunal  
components in the lake & their origin.

SJH:tl

F

Palmén, E. (1958) 59-9186  
Verh.int.Ver.Limnol., 13:817-22  
Periodic emergence in some North  
European chironomids

Description of the emergence times &  
discussion on the possibility of  
environmental & biological factors  
affecting the emergence.

SJH:tl

MF



Hynes, H.B.N. (1958) 59-9187  
Verh.int.Ver.Limnol., 13:826-33  
 The effect of drought on the fauna of a  
 small mountain stream in Wales

Contents as per title.

SJH:tl

F

Jónasson, P.M. (1958) 59-9190  
Verh.int.Ver.Limnol., 13:860-6  
 The mesh factor in sieving techniques

Influence of the mesh size of the  
 sieves on the determination of benthos  
 biomass.

SJH:tl

F

Illies, J. (1958) 59-9188  
Verh.int.Ver.Limnol., 13:834-44  
 Die Barbenregion mitteleuropäischer  
 Fliessgewässer (The barbel region  
 of the running waters of Central Europe)

Characterization of the region mainly  
 on the bases of bottom substance &  
 its populations.

SJH:tl

F

Slanina, K. (1958) 59-9191  
Verh.int.Ver.Limnol., 13:867-72  
 Die Durchführung von Drahtlotungen und  
 der Einsatz eines neuartigen  
 Tiefenlotes (Faltlot) bei der  
 Vermessung des Zeller Sees  
 (Conduction of soundings with line and  
 the use of a new depth sounder - flat  
 sounder - in measuring the Zeller  
 Lake)

Handling of the lead & line &  
 description of new sounding weight  
 for soft bottom.

SJH:tl

F

Stella, E. (1958) 59-9189  
Verh.int.Ver.Limnol., 13:850-4  
 The population of some springs at  
 different heights in Lazio (Italy)

Lists of aquatic fauna & flora.

SJH:tl

F

Suomalainen, P. (1958) 59-9192  
Verh.int.Ver.Limnol., 13:873-8  
 Der Sauerstoffverbrauch einiger  
 finnischer Gammarus-Arten  
 (The oxygen consumption of some  
 Finnish Gammarus species)

Contents as per title.

SJH:tl

MF

Teiling, E. (1958) 59-9193  
Verh.int.Ver.Limnol., 13:879-82  
 Other botanical studies - Eulimnion,  
 an original place of new forms

Description of the ecological  
 condition of eulimnion, specially in  
 respect of desmid spp.

SJH:tl

F

Fogg, G.E. & 59-9196  
 J.D.A. Miller (1958)  
Verh.int.Ver.Limnol., 13:892-5  
 The effect of organic substances on the  
 growth of the freshwater alga  
Monodus subterraneus

Results of experiments with  
 laboratory cultures.

SJH:tl

F

Manguin, E. (1958) 59-9194  
Verh.int.Ver.Limnol., 13:883-6  
 Importance de l'étude des vases  
 lacustres dans la connaissance du  
 phytoplancton (Importance of the  
 study of core sediments of lakes for  
 the knowledge of phytoplankton)

Records of diatoms from samples of core  
 sediments indicate the value of such  
 samples for the knowledge of the  
 phytoplankton & nature of lake.

SJH:hr

F

Overbeck, J. (1958) 59-9197  
Verh.int.Ver.Limnol., 13:896-900  
 Meeresdüngungsversuche in einem  
 Boddengewässer Rügens (Experiments  
 on fertilization of the sea in a  
 lagoon of Rügen Island)

Description of the fertilization  
 experiment & its effects on  
 phytoplankton growth.

SJH:tl

MF

Mangerel, P. (1958) 59-9195  
Verh.int.Ver.Limnol., 13:887-91  
 Sur la prolifération inopportune d'un  
Pediastrum (On the inopportune  
 proliferation of a Pediastrum)

Discusses the origin of the  
 proliferation of Pediastrum clathratum.

SJH:hr

F

Quennerstedt, N. (1958) 59-9198  
Verh.int.Ver.Limnol., 13:901-6  
 Effect of water level fluctuation  
 on lake vegetation

Contents as per title.

SJH:tl

F

Seidel, K. (1958) 59-9199  
Verh.int.Ver.Limnol., 13:907-14  
 Probleme über Phaenotypus und -  
 Genotypus bei Pflanzen verschiedenster  
 Gewässer (Problems on phenotype  
 and genotype by plants from different  
 waters)

Description of the influence of  
 different chemism & sediments of the  
 water on the growth & appearance of the  
 aquatic plants.

SJH:tl

MF

Jannasch, H.W. (1958) 59-9202  
Verh.int.Ver.Limnol., 13:947-9  
 Die bakterielle Rotfärbung der  
 Salzseen des Wadi Natrun  
 (Bacterial & red discoloration of the  
 saline lakes of the Wadi Natrun,  
 Egypt)

Short summary on the observed  
 discoloration & organisms causing it.

SJH:tl

MF

Olsen, S. (1958) 59-9200  
Verh.int.Ver.Limnol., 13:915-22  
 Phosphate adsorption and isotopic  
 exchange in lake muds - Experiments  
 with P<sub>32</sub>. Preliminary report

Description of the phosphorus exchange  
 between the sediment & water above, as  
 deducted from the results of  
 experiments with use of radioactive  
 phosphorus in some Danish lakes.

SJH:tl

F

Gieysztor, M., H. Klimowicz 59-9203  
 & A. Praszkiwicz (1958)  
Verh.int.Ver.Limnol., 13:950-2  
 Recherches sur le zooplankton et les  
 mollusques des eaux saumâtres de la  
 Pologne hors de la mer Baltique  
 (Researches on zooplankton and  
 molluscs of the brackish waters of  
 Poland out of the Baltic Sea)

Preliminary observations on flora,  
 fauna & salinity on the lagoon of the  
 Vistula.

SJH:hr

MF

Mortimer, C.H. & 59-9201  
 F.J.H. Mackereth (1958)  
Verh.int.Ver.Limnol., 13:923-32  
 Convection and its consequences in ice-  
 covered lakes

Description of thermal structures of  
 lakes in Northern Sweden & their  
 effects on the chemistry of the lakes.

SJH:tl

F

Märki-Bleiker, E. (1958) 59-9204  
Verh.int.Ver.Limnol., 13:953-8  
 Stausee Marmorera - Chemismus und  
 Besiedlung (Artificial Lake  
 Marmorera - Its chemistry and  
 population)

Description of an artificial lake -  
 reservoir lake.

SJH:tl

F

Schmitz, W. (1958) 59-9205  
Verh.int.Ver.Limnol., 13:959-60  
Ökologisch-physiologische Probleme der  
Besiedlung versalzener Binnengewässer  
(Ecological-physiological problems  
of the population of saline inland  
waters)

Short review of the chemistry of  
inland saline waters.

SJH:tl

MF

Pruginin, Y. (1959) 59-9208  
Typescript, August 17, 1959, 22 p.  
Separation of the sexes of Tilapia  
nilotica using a mechanical grader

Method depends on sex differences  
in growth rate which permit self-  
separation of live fish by grills  
because of differing body widths.  
Developed in Alabama in connection  
with work on mono-sex culture in  
Israel, so that mixed culture with  
Cyprinus carpio may not in future  
failure because of the rapid  
reproduction of the Tilapia. Method  
is interesting in relation to studies  
of selectivity of fishing gear.

WAD:sjh

FG

Elster, H.-J. (1958) 59-9206  
Verh.int.Ver.Limnol., 13:961-73  
Zum Problem der quantitativen Methoden  
in der Zooplanktonforschung  
(On the problem of quantitative methods  
in zooplankton investigation)

Review of the catching properties  
of different gear.

SJH:tl

F

U.K. Herring Industry 59-9209  
Board (1958?)  
Cmmd (435), Session 1957-58  
23rd annual report for 1957.  
Corrigendum

M

Thienemann, A. (1958) 59-9207  
Verh.int.Ver.Limnol., 13:979-1012  
Internationale Vereinigung für  
theoretische und angewandte Limnologie  
(International Association of  
Theoretical and Applied Limnology)

List of officers & members.

SJH:tl

G

U.N. (1957) 59-9210  
September  
Uniform system of buoys and shore  
marks for inland waterways in Asia  
and the Far East

F



Abercrombie, M. et al. (1957) 59-9211  
Harmondsworth, Penguin Books, 251 p.  
A dictionary of biology

M

Mansueti, R. (1958) 59-9214  
Maryland, Dep. of Research &  
Education, mimeo, 14 p.  
A brief bibliographic review of the  
history of the fish and fisheries of  
the lower Susquehanna River region  
in Maryland and Pennsylvania

F

Bulker, P. (1958) 59-9212  
London, Harrap, 182 p.  
Males and wealing

M

Elser, H.J. & R. Mansueti (1958) 59-9215  
Maryland, Dep. of Research &  
Education, mimeo, 9 p.  
Notes on the chain pickerel in  
Maryland

F

Mansueti, R. & 59-9213  
G. Murphy (1958)  
Maryland, Dep. of Research &  
Education, mimeo, 11 p.  
Biology and management, Potomac  
River fin-fisheries

F

Mansueti, R. & 59-9216  
H. Elser (1958)  
Maryland, Dep. of Research &  
Education, mimeo, 8 p.  
Results of a seining survey in  
Kimball's Pond, Kent Island,  
Maryland, and an annotated bibliography  
to the introduction of striped bass  
in ponds

F

Mansueti, R. (1957) 59-9217  
Maryland, Dep. of Research &  
Education, mimeo, 26 p.  
Revised key to Maryland freshwater  
fishes

P

California University 59-9220  
Scripps Institution of  
Oceanography (1959)  
Phys.chem.Data Rep.Scripps Instn  
Oceanogr., (104)  
Cruise 5801 - 8 January-2 February  
1958

M

FAO. Fisheries Division 59-9218  
Biology Branch (1959)  
Rome, mimeo  
International training centre on the  
methodology and techniques of research  
on mackerel (Rastrelliger)

A

Strickland, J.D.H. (1958) 59-9221  
Manuscr.Rep.Ser.Fish.Res.Bd Can., (18)  
Standard methods of seawater  
analyses - Vol. I. A re-printing  
including recent addenda

M

Sunde, L.A. & 59-9219  
C.C. Linsey (1958)  
Mus.Contr.Inst.Fish.Univ.B.C., (1)  
Revised key to the rockfishes  
(Scorpaenidae) of British Columbia

M

Strickland, J.D.H. (1958) 59-9222  
Manuscr.Rep.Ser.Fish.Res.Bd Can., (19)  
Standard methods of sea water  
analyses - Vol. II.

M

Deutsches Hydrographisches 59-9223  
Institut (1958)

Meereskundl.dtsch.hydrogr.Inst., (19)  
Beobachtungen auf den deutschen  
Feuerschiffen der Nord- und Ostsee im  
Jahre 1956 sowie Monatsmittelwerte von  
Temperatur und Salzgehalt der Jahre  
1948 bis 1956 (Observations on  
board of German light-ships in the  
North Sea and in the Baltic during 1956  
and monthly mediums of temperature and  
salt content during the years 1948-  
1956)

1

Blume, W. (1958) 59-9226  
Opusc.zool., (25)  
Littoridinen aus dem Titicacasee  
(Mollusca) (Littoridins from  
Lake Titicaca)

F

Trotti, L. (1957) 59-9224  
Pubbl.Cent.talassogr.tirreno, (19)  
Contributo alla conoscenza delle  
correnti superficiali del Mar Ligure  
(Contribution to the knowledge of  
surface currents in the Ligurian Sea)

M

Chew, K.K. & 59-9227  
R. Eisler (1958)  
Contr.Univ.Wash.Sch.Fish., (31)  
Preliminary study of the feeding  
habits of the Japanese oyster drill,  
Ocenebra japonica

William, C.G. & 59-9225  
G. Gunter (1958)  
Tech.Summ.Gulf St.Mar.Fish.Comm., (1)  
Sea trout or weakfishes (genus  
Cynoscion) of the Gulf of Mexico)

M

Eisler, R. (1958) 59-9228  
Contr.Univ.Wash.Sch.Fish., (37)  
Some effects of artificial light  
on salmon eggs and larvae

MF

Lebedev, V.L. (1957) 59-9229  
In 59-9140:77-8  
(Downwind drift of iceberg fragments).  
Ru

M

Dangeard, P. (1959) 59-9232  
C.R.Acad.Sci., Paris, 249:1601-3  
Sur le développement de deux  
entéromorphes du Maroc (On the  
development of two enteromorphs from  
Morocco)

Enteromorpha gayralii.

FAO:sjh

M

Lebedev, V.L. (1957) 59-9230  
In 59-9140:98-9  
(Behaviour of whales in sea ice). Ru

M

Bourcart, J. (1959) 59-9233  
C.R.Acad.Sci., Paris, 249:1699-700  
Sur la répartition des sédiments en  
Méditerranée occidentale  
(On the distribution of sediments in  
the western Mediterranean)

Continues discussion begun in 59-8545  
& discusses 59-9461.

FAO:sjh

M

Milner, G.W.C. & 59-9231  
G.A. Barnett (1958)  
U.K.Atomic Energy Authority(A.E.R.E.),  
C/R2723  
Field laboratory methods for the  
determination of uranium in non-saline  
waters

F

Eiseley, L. (1958) 59-9234  
New York, Doubleday & Co., Inc.,  
378 p.  
Darwin's century - Evolution and the  
men who discovered it  
  
Historico-biographical book,  
with reference to the "Beagle" &  
other voyages of biological  
exploration.

FAO:sjh

G



Mertens, R. (1958) 59-9235

Treubia, 24:83-105

Amphibien und Reptilen aus dem  
äussersten Westen Javas und von  
benachbarten Eilanden (Amphibia  
and reptiles from the very far west  
of Java and the adjacent islands)

Spp. lists, ill. taxonomic  
descriptions, distribution & ecological  
notes; incl. aquatic forms.

FAO:sjh

MT

Caballero, E.C. & 59-9238

R.R. Brenes M. (1958)

An.Inst.Biol.Univ.Mex., 29(1-2):  
165-79

Helintos de la Republica de Costa  
Rica - VII. Trematodos de algunos  
vertebrados salvajes, con  
descripcion de una nueva especie  
de Acanthostomum Looss, 1899  
(Helminths of the Republic of Costa  
Rica - VII. Trematodes from some  
vertebrate hosts, with a description  
of a new species of Acanthostomum  
Looss, 1899)

Proterodiplostomum medusae &

Serene, R., Tran Van Duc 59-9236

& N. Van Luom (1958)

Treubia, 24:135-242

Eumedoninae du Viet-Nam (Crustacea)  
(avec un bibliographie de la sous-  
famille) (Eumedoninae of Viet-Nam -  
Crustacea (with a bibliography of the  
sub-family))

Ill. taxonomic description &  
discussion with notes on distribution  
& biometrics, & ecology of Echinoecus,  
Ceratocarcinus, Harrovia & Zebrida spp.  
Spp. lists & synonymy.

FAO:sjh

M

59-9238

(Card 2)

Acanthostomum acuti from Crocodylus  
acutus.

FAO:sjh

F

Norway. 59-9237

Fiskeridirektøren (1957)

Aarsberetn.Norg.Fisk., (11):110 p.

Fiskeriinspektørenes virksomhet 1956  
(The activities of fisheries  
inspectors during 1956)

Reports by districts on the conditions  
of various fisheries & the marketing  
of fishery products, incl. notes on  
the activities of fisheries inspectors.

FAO:tl

M

Caballero, E.C., M.C. 59-9240

Zerecero y D. & R.G.Grocott (1958)

An.Inst.Biol.Univ.Mex., 29(1-2):  
181-202

Helintos de la Republica de Panama -  
XXI. Algunos trematodos de  
quelonios de agua dulce  
(Helminths of the Republic of Panama -  
XXI. Some trematodes of freshwater  
turtles)

Helicotrema, Nematophila, Telorchis  
from Geomyda; Telorchis, Schizamphi-  
stomoides from Pseudemys; Heronimus  
from Kinosternon.

FAO:sjh

F

Bravo Hollis, M. & 59-9241  
 R.R. Brenes M. (1958)  
An.Inst.Biol.Univ.Mex., 29(1-2):203-7  
 Trematodos de peces marinos de aguas  
 mexicanas - XV. Una nueva especie de  
Multitestis Manter, 1931, de la familia  
Allocreadiidae Stossich, 1904  
 (Trematodes from marine fishes in  
 Mexican waters - XV. A new species of  
Multitestis Manter 1931, of the family  
Allocreadiidae Stossich 1904)

Description of M. nasusi from  
Menticirrhus nasus, N. Pacific.

FAO:sjh

M

Villalobos, A. (1958) 59-9244  
An.Inst.Biol.Univ.Mex., 29(1-2):303-27  
 Estudios de los camarinos mexicanos -  
 XIV. Estudio comparativo de las  
 especies mexicanas del subgrupo  
Blandingii (Studies on Mexican  
 crayfishes - XIV. Comparative study of  
 the Mexican species of the sub-group  
Blandingii)

Descriptions & ecology of  
Procambarus spp.

FAO:sjh

F

Hidalgo Escalante, E. (1958) 59-9242  
An.Inst.Biol.Univ.Mex., 29(1-2):209-17  
 Hallazgo de una nueva especie de  
 capsala, Capsala pricei n.sp.  
 (Trematoda, Monogenea) en un pez marino  
 del Puerto de Mazatlan Sinaloa, Mexico  
 (Discovery of a new species of  
 capsala, Capsala pricei, n.sp.,  
 trematoda, monogenea, in a marine fish  
 from Port Mazatlan Sinaloa, Mexico)

Host in Pacific marlin, Makaira  
mitzukurii.

FAO:sjh

M

Ingles, L.G. (1958) 59-9245  
An.Inst.Biol.Univ.Mex., 29(1-2):379-408  
 Notas acerca de los mamiferos  
 mexicanos (Notes on Mexican  
 mammals)

Incl. note on Sirenica, Trichechus  
manatus, from eastern rivers &  
Grampus rectipinna from Bahia de San  
 Carlos.

FAO:sjh

MF

Rioja, E. (1958) 59-9243  
An.Inst.Biol.Univ.Mex., 29(1-2):219-301  
 Estudios anelidologicos - XXII. Datos  
 para el conocimiento de la fauna de  
 anelidos poliquetos de las costas  
 orientales de Mexico (Annelido-  
 logical studies - XXII. Data on our  
 knowledge of the annelid polychaete  
 fauna of the east coast of Mexico)

Ill. descriptive notes - taxonomy &  
 distribution & of many spp.

FAO:sjh

M

Krauss, W. (1958) 59-9246  
Kieler Meeresforsch., 14:107-13  
 Erzwungene interne Gezeiten eines  
 zweifach geschichteten Ozeans  
 (Forced internal tides in a two-  
 layered ocean)

Theoretical treatment of the internal  
 waves with large amplitude & with  
 the same period as tide generating  
 forces.

FAO:tl

M

Schlieper, C. & 59-9247

R. Kowalski (1958)

Kieler Meeresforsch., 14:114-29

Der Einfluss gelöster organischer  
Zellnahrungsstoffe und anorganischer  
stickstoffhaltiger Verbindungen auf  
die Cilienaktivität der isolierten  
Kiemen von Mytilus edulis L.

(The influence of the dissolved cell  
nutrients & inorganic nitrogen  
containing compounds on the activity  
of cilies of the isolated gills from  
Mytilus edulis L.)

Results of laboratory experiments with  
great number of chemicals.

FAO:tl

M

Juhl-Noodt, H. (1958) 59-9250

Kieler Meeresforsch., 14:167-74

Beiträge zur Kenntnis der peruanischen  
Meeresalgen - I. (Contributions  
to the knowledge of Peruvian marine  
algae - I.)

List of spp. found with few notes on  
ecology.

FAO:tl

M

Schwenke, H. (1958) 59-9248

Kieler Meeresforsch., 14:130-50

Über einige zellphysiologische  
Faktoren der Hypotonieresistenz mariner  
Rotalgen (On some cell-  
physiological factors of the  
hypotony-resistance of marine red algae)

Discussion on the relations between  
chemical components of sea water &  
osmotic resistance, & some experiments  
explaining the mechanisms of  
resistance.

FAO:tl

M

Gerlach, S.A. (1958) 59-9251

Kieler Meeresforsch., 14:175-6

Ein neuer Vertreter der Gnathostomulida  
(Turbellaria?) aus dem Meeressand der  
Maladiven (A new representative of  
Gnathostomulida, Turbellaria?, from  
the marine sand of Maldives)

Description of the new sp.  
Gnathostomula maldivarum.

FAO:tl

M

Meyer, H. (1958) 59-9249

Kieler Meeresforsch., 14:151-66

Vergleichende Untersuchungen über den  
Einfluss der Gonadenentwicklung auf die  
Relation der ungesättigten Fettsäuren  
im Depotfett von Ostseeheringen  
(Comparative investigations on the  
influence of gonad development  
on the relation of the unsaturated  
fatty acids in accumulating fat of  
Baltic herring)

Seasonal variation of the composition  
of fats & fatty acids in the Baltic  
herring.

FAO:tl

MF

Korn, H. (1958) 59-9252

Kieler Meeresforsch., 14:177-86

Zur Unterscheidung der Larven von  
Harmothoe Kinberg 1857 (On the  
identification of the larvae of  
Harmothoe Kinberg 1857)

Ecology of the larvae, occurrence of  
the 3 adult spp., description of  
larval development & notes on the  
identification.

FAO:tl

MF



Naguib, M. (1958) 59-9253  
Kieler Meeresforsch., 14:187-222  
Studies on the ecology of Lake Qarûn  
(Faiyum Egypt) - Part I.

Description of the physical &  
chemical properties of the lake -  
T, S‰, O<sub>2</sub>, pH & nutrient salt -  
during 1953 to 1955.

FAO:tl

MF

Hartmann-Schröder, G. (1958) 59-9256  
Kieler Meeresforsch., 14:233-40  
Einige Polychaeten aus dem  
Küstengrundwasser der Bimini-Inseln  
(Bahamas) (Some polychaets from  
the coastal ground waters of Bimini  
Island, Bahamas)

Description of 2 known & 4 new spp.

FAO:tl

M

Noodt, W. (1958) 59-9254  
Kieler Meeresforsch., 14:223-5  
Schizopera pratensis n.sp. von  
Salzwiesen der deutschen Meeresküste  
(Crustacea, copepoda) (Schizopera  
pratensis n.sp. from the salt  
marshes of the German coast -  
Crustacea, copepoda)

Description of the sp.

FAO:tl

M

Gerlach, S.A. (1958) 59-9257  
Kieler Meeresforsch., 14:241-6  
Freilebende Nematoden von den  
Korallenriffen des Roten Meeres  
(Free living nematods from the coral  
reefs of the Red Sea)

Taxonomic description of the spp.  
found.

FAO:tl

M

Hartmann, G. (1958) 59-9255  
Kieler Meeresforsch., 14:226-32  
Ostracoden von der französischen  
Mittelmeerküste (Ostracods from  
the French Mediterranean coast)

Description of the spp. found.

FAO:tl



Wright, J.C. (1959) 59-9258  
Limnol.Oceanogr., 4:235-45  
Limnology of Canyon Ferry reservoir -  
II. Phytoplankton standing crop and  
primary production

Relations between chlorophyll, cell  
volume & dry weight of phytoplankton,  
composition of the seston, rates of  
photosynthesis & net production.

HR:tl

F



Bryson, R.A. & 59-9259

C.R. Stearns (1959)

Limnol.Oceanogr., 4:246-51

A mechanism for the mixing of the waters of Lake Huron and South Bay, Manitoulin Island

Description of the mechanism of mixing by seiche, , & the controlling of the intensity of mixing by the amplitude of the seiche.

HR:tl

F

Jones, G.E. & 59-9262

H.W. Jannasch (1959)

Limnol.Oceanogr., 4:269-76

Aggregates of bacteria in sea water as determined by treatment with surface active agents

Determination of the influence of various concentrations of surface active agents - Tween 80, MYRJ-52, Renex 31 & Dow Corning Antifoam AF emulsion - on bacterial plate counts as compared to untreated controls. Direct microscopic examination of the occurrence of clumped bacteria in sea water.

HR:tl

M

McCombie, A.M. (1959) 59-9260

Limnol.Oceanogr., 4:252-8

Some relations between air temperatures and the surface water temperatures of lakes

Description of the relations by monthly linear regressions for South Bay, Ontario, Lake Opeongo, Ontario & Lake Mendota, Wisconsin.

HR:tl

F

Rice, T.R. & 59-9263

V.M. Willis (1959)

Limnol.Oceanogr., 4:277-90

Uptake, accumulation and loss of radioactive cerium-144 by marine planktonic algae

Speed of uptake of dissolved & particulate cerium-144 concentration factors, speed of loss in non-active medium & influence of chelating compounds on the speed of uptake & loss.

HR:tl

M

Conover, R.J. (1959) 59-9261

Limnol.Oceanogr., 4:259-68

Regional and seasonal variation in the respiratory rate of marine copepods

Determination of respiratory rate of 7 spp. of marine calanoid copepod at the same temperature, comparison of respiration in zooplankton crustaceans of different size; demonstration that the seasonal variation in metabolism of several spp. of copepods is independent from temperature.

HR:tl

M

Hayes, F.R. & 59-9264

M.A. MacAulay (1959)

Limnol.Oceanogr., 4:291-8

Lake water and sediment - V. Oxygen consumed in water over sediment cores

Establishment of a productivity equation; results of measurements of oxygen consumption in water over mud in undisturbed & repacked mud samples taken from 16 east coast Canadian lakes.

HR:tl

F

Hayes, F.R. & 59-9265

E.H. Anthony (1959)

Limnol.Oceanogr., 4:299-315

Lake water and sediment - VI. The standing crop of bacteria in lake sediments and its place in the classification of lakes

Description of a field apparatus for lake water & sediment bacteria; determination of the errors involved; distribution of the quantities of bacteria with the depth in the sediment core; relations between bacteria counts & alkalinity, conductivity & O<sub>2</sub> consumption over mud.

HR:tl

F

McConnell, W.J. & 59-9263

W.F. Sigler (1959)

Limnol.Oceanogr., 4:335-51

Chlorophyll and productivity in a mountain river

Determination of chlorophyll, primary production, & standing crop of insects & fish in Logan River, Utah.

HR:tl

F

Hicks, S.D. (1959) 59-9266

Limnol.Oceanogr., 4:316-27

The physical oceanography of Narragansett Bay

Description of tidal characteristics, non-tidal circulation & temperature & salinity distributions.

HR:tl

M

Davis, C.C. (1959) 59-9269

Limnol.Oceanogr., 4:352-5

A planktonic fish egg from fresh water

Description of the eggs of Aplodinotus grunniens & their development.

HR:tl

F

Pratt, D.M. & 59-9267

H. Berkson (1959)

Limnol.Oceanogr., 4:328-34

Two sources of error in the oxygen light and dark bottle method

Experiments showing the consumption of O<sub>2</sub> by bacteria & the changes of plankton population in the bottles.

HR;tl

M

Ryther, J.H., C.S. Yentsch 59-9270  
& G.H. Lauff (1959)

Limnol.Oceanogr., 4:357-65

Sources of limnological and oceanographic apparatus and supplies

List of apparatus & supplies, & addresses of firms manufacturing or selling them.

HR:tl

MF

U.K. Ministry of Transport 59-9271  
 & Civil Aviation (1958)  
 London, H.M.S.O.  
 Marine and aviation insurance (war risks) act, 1952. Agreements concluded under sect. 1(1) of the act: British fishing vessels mutual war risks association limited and the Minister of Transport and Civil Aviation for the re-insurance against war risks of fishing vessels entered in the association. Feb. 21, 1958

M

Collins, A.C. (1958) 59-9274  
Sci.Rep.Gr.Barrier Reef Exped., 6(6):  
 Foraminifera

M

U.K. Ministry of Transport 59-9272  
 & Civil Aviation (1958)  
 London, H.M.S.O.  
 Marine and aviation insurance (war risks) act, 1952. Agreements concluded under sect. 1(1) of the act: fishing vessels co-operative insurance society limited, and the Minister of Transport and Civil Aviation for the re-insurance of inshore fishing vessels against war risks. Feb. 21, 1958

M

U.K. Meteorological 59-9275  
 Office (1958)  
 London, H.M.S.O., M.O. 515  
 Weather maps with tables of the specifications and symbols.  
 Instructions for preparation

M

Thomas, H.J. (1958) 59-9273  
 London, H.M.S.O.  
 Lobster storage

M

Nair, N.Balakrishnan & 59-9276  
 H. Leivestad (1959)  
Publ.biol.Sta., Espegrend., (27):12 p.  
 On the limiting factors in the distribution of two wood-boring crustaceans of Norway

Effect of low temperature & low salinity on Limnoria lignorum (Rathke) & Chelura terebrans Philippi have been determined. The influence of these limiting factors on the distribution of these crustaceans is briefly discussed.

FiB:bnbn

M



Rokstad, G. (1958) 59-9277  
Aarsberetn.Norg.Fisk., 1957(9):5-9  
 Forsøksfiske på nordre felt under stor-  
 og vårsildfisket 1957 (Experimental  
 fishing on the northern grounds during  
 fat- and spring herring fishery 1957)

Diary of the experiments with data  
 on catches.

FAO:tl

M

Ljøen, R. (1958) 59-9280  
Aarsberetn.Norg.Fisk., 1957(9):17-27  
 Rapport om småsild- og feilsildfisket  
 med M/S G.O. SARS i norskehavet og  
 Barentshavet fra 9 juli til 31 august  
 1957 (Small herring and fat  
 herring trip with M/S G.O. SARS in  
 the Norwegian Sea and Barents Sea from  
 9 July to 31 August 1957)

Description of the track, data on  
 temperature & occurrence of the  
 herring & other fish found.

FAO:tl

M

Ljøen, R. (1958) 59-9278  
Aarsberetn.Norg.Fisk., 1957(9):10-3  
 Rapport fra tokt med M/S G.M. DANNEVIG  
 på vårsildfeltet februar-mars 1957  
 (Investigations on the spring herring  
 ground and experiments with fishery  
 asdic with M/S G.M. DANNEVIG)

Diary of the trip with data on sea  
 temperatures & results of echosoundings.

FAO:tl

M

Anonymous (1958) 59-9281  
Aarsberetn.Norg.Fisk., 1957(9):28-32  
 Trålfiske i Nordsjøen i 1957 med M/S  
 PEDER RØNNESTAD (Trawl fishery  
 in the North Sea with M/S PEDER  
 RØNNESTAD in 1957)

Diary of the trip with data on  
 catch.

FAO:tl

M

Halås, M. (1958) 59-9279  
Aarsberetn.Norg.Fisk., 1957(9):14-6  
 Om ekkolodding og temperaturmålinger på  
 søre felt (vårsildfeltet med M/S  
 SIRAFJORD (Echosounding and  
 temperature measurements on the spring  
 herring ground with M/S SIRAFJORD)

Diary of the trip with data on  
 temperature & results of  
 echosounding for herring.

FAO:tl

M

Rokstad, G. (1958) 59-9282  
Aarsberetn.Norg.Fisk., 1957(9):33-4  
 Rapport om forsøk med drivgarn på  
 revkanten med M/S PEDER RØNNESTAD  
 høsten 1957 (Experiments with drift  
 nets for herring on the reef slopes -  
 Jimmyfeltet - during the autumn 1957)

Data on the occurrence, drift net,  
 & midwater trawls catches.

FAO:tl

M



Størkersen, P. (1958) 59-9283  
Aarsberetn.Norg.Fisk., 1957(9):35-4  
Forsøk med sildetrål av nylon  
(Experiments with nylon herring trawl  
on Fladen Ground)

Comparison of the uses of cotton &  
nylon trawls & data on catches with  
nylon trawl.

FAO:tl

M

Bostrøm, O. (1958) 59-9286  
Aarsberetn.Norg.Fisk., 1957(9):49-51  
Ekkolodding og meldetjeneste av  
skreiforekomstene i Lofoten med M/S  
PEDER RØNNESTAD (Echo-sounding and  
reporting service of the occurrence of  
cod in Lofoten with M/S PEDER  
RØNNESTAD)

Diary of trips & data on the  
occurrence of cod; with two charts.

FAO:tl

M

Anonymous (1958) 59-9284  
Aarsberetn.Norg.Fisk., 1957(9):37-40  
Fiske med notredskaper i Lofoten i  
1957 (Fishery with seines in  
Lofoten during 1957)

Conditions for fishing with seines,  
data on catches & comparison of  
catches with other gear.

FAO:tl

M

Tjemsland, J. (1958) 59-9287  
Aarsberetn.Norg.Fisk., 1957(9):52-5  
Rapport om forsøksfisket etter kveite  
januar-februar 1957 med M/K JENNY  
F-103-T og M/K STORØY N-584-G  
(Experimental fishing for halibut  
during January-February 1957 with M/K  
JENNY F-103-T and M/K STORØY N-584-G)

Result of fishing with bottom long  
lines in different areas.

FAO:tl

M

Halås, M. (1958) 59-9285  
Aarsberetn.Norg.Fisk., 1957(9):41-8  
Rapport til fiskeridirektøren om  
forholdene under Lofotfisket i 1957  
(Report on the conditions of Lofoten  
fishery during 1957)

Contents as per title.

FAO:tl

M

Anonymous (1958) 59-9288  
Aarsberetn.Norg.Fisk., 1957(9):56-62  
Forsøksfiske etter blåkveite utenfor  
Vesterålen med M/K MYRTIND N-97-Ø og  
M/K MARTIN KARLSEN N-50-LS  
(Experimental fishing for black  
halibut off Vesterålen with M/K  
MYRTIND N-97-Ø and M/K MARTIN KARLSEN  
N-50-LS)

Diary of trips: results of catch with  
emphasis on distribution of catch with  
depth.

FAO:tl

M

Saetersdal, G. (1958) 59-9289  
Aarsberetn.Norg.Fisk., 1957(9):63  
Maskeviddeforsøk med trål våren 1957  
(Mesh size experiment with trawl during  
spring 1957)

Short review of the experiments.

FAO:tl

M

Halås, M. (1958) 59-9292  
Aarsberetn.Norg.Fisk., 1957(9):70-3  
Rapport til fiskeridirektøren om  
fiskeforsøk etter ål i Borgenfjorden  
Inntrøndelag, høsten 1957  
(Experimental fishing for eel in  
Borgenfjord, Inntrøndelag, during  
autumn 1957)

Result of catches with trap nets;  
conclusions on the possibilities of  
eel fishery in the fjord.

FAO:tl

MF

Halmø, K. (1958) 59-9290  
Aarsberetn.Norg.Fisk., 1957(9):64-7  
Rapport om fiskeforsøk med drivliner i  
Norskehavet med M/S THOR IVERSEN  
november-desember 1957 (Experimental  
fishing with drifting long lines in the  
Norwegian Sea with M/S THOR IVERSEN  
during Nov.-Dec. 1957)

Diary of trips; results of catches of  
cod & other fish.

FAO:tl

M

Halmø, K. (1958) 59-9293  
Aarsberetn.Norg.Fisk., 1957(9):74-8  
Radarreflektorer for merking av  
fiskeredskaper (Radar-reflectors  
for marking of fishing gear)

Description of the reflector & its  
use.

FAO:tl

M

Anonymous (1958) 59-9291  
Aarsberetn.Norg.Fisk., 1957(9):68-9  
Rapport over forsøk med størjepose av  
nylon (Experiment with nylon seine  
for tuna during 1956 and 1957)

Notes on the use of nylon seine as  
compared to seines of other  
material; results of catches.

FAO:tl

M

Romania. Ministerul 59-9294  
Industriei Bunurilor de Consum.  
Departamentul industriei  
Alimentare (1958)  
Bul.Inst.Cerc.piscic., 17(4):96 p.

Contains 59-9295 to 59-9305.  
Incl. also annotated bibliographic  
notes & various short communications.

FAO:sjh

MF

Șerpoianu, Gh. & 59-9295  
 V. Chirilă (1958)  
Bul.Inst.Cerc.piscic., 17(4):5-15  
 Observații asupra condițiilor fizico-  
 chimice de la limita platoului  
 continental românesc în regiunea  
 marină Midia-Mangalia (Observations  
 on the physico-chemical conditions at  
 the edge of the Rumanian continental  
 shelf in the Midia-Mangalia marine area).  
 Fr Ru

Hydrographic data, 1956-58 from 2  
 stations in the western Black Sea, show  
 large salinity differences between  
 surface & deep waters, a temperature

59-9295  
 (Card 2)  
 minimum at 75m; O<sub>2</sub>-lack below 100m  
 & H<sub>2</sub>S below 150m. Relation of findings  
 to pattern of river inflow.

FAO:sjh

MF

Bușniță, Th. & 59-9298  
 V. Enăceanu (1958)  
Bul.Inst.Cerc.piscic., 17(4):31-42  
 Studiul limnologic al Dunării în  
 cadrul colaborării internaționale  
 (Limnological study of the Danube in  
 the framework of international  
 collaboration). Fr Ru

Account of the first 2 meetings  
 in 1956 & 1957, of the international  
 group for limnological study of the  
 Danube, formed on initiative of  
 R. Liepolt, Austria, & contributed to  
 also by Czechoslovakia, Rumania,  
 Hungary, USSR, Bulgaria, Federal

59-9298  
 (Card 2)  
 Republic of Germany. Plan for work in  
 1958.

FAO:sjh

F

Mirică, Gh. (1958) 59-9297  
Bul.Inst.Cerc.piscic., 17(4):17-30  
 Lucrările hidrotehnice și hidro-  
 ameliorative executate în delta Dunării  
 în ultimii 80 de ani (1878-1957)  
 (Works of hydrotechnics & water  
 amelioration in the Danube Delta in the  
 past 80 years, 1878-1957). Fr Ru

A review, with charts, of works for  
 improving navigation, fishculture,  
 agriculture, forestry & soil  
 conservation, reed culture.  
 Recommendations for new management  
 projects.

FAO:sjh

MF

Rodica, L. et al. (1958) 59-9300  
Bul.Inst.Cerc.piscic., 17(4):43-54  
 Cercetări privind efectivul piscicol  
 din delta Dunării în legătură cu  
 producția actuală (Research on  
 fishcultural potential in the  
 Danube Delta, in relation to  
 production attained). Fr Ru

Review of hydrologic & hydro-  
 meteorological regime 1950-57 &  
 variations of production, by spp.;  
 special reference to carp.

FAO:sjh

F



Nicolau, A. & S. Luscan (1958) 59-9301  
Bul.Inst.Cerc.piscic., 17(4):55-81  
 Cercetări privind ritmul de creștere la crapul de cultură de la stațiunea de cercetări piscicole Nucet - Regiunea ploești (The growth rhythm of carp at the Nucet Fishculture Research Station, Ploesti region). Fr Ru

Extensive review, with tabulated data of experiments with Cyprinus carpio 1955-56 in ponds, using marking methods. Recommendations on forage supplies based on the results obtained.

FAO:sjh

F

Nicolau, A. (1958) 59-9304  
Bul.Inst.Cerc.piscic., 17(4):85-6  
 Acțiunea de marcarea a crapului in lunca inundabilă și delta Dunării (Carp marking programme in flood areas of Danube Delta). Fr Ru

Ill. note on marking of Cyprinus carpio to study migrations & growth.

FAO:sjh

F

Constantinescu, E. (1958) 59-9302  
Bul.Inst.Cerc.piscic., 17(4):82-4.  
 Observațiuni asupra reproducerii crapului și dezvoltării puietului de crap - in Balta Suhaia - in anul 1957 (Observations on the reproduction of carp and the development of carp fry in Lake Suhaia in 1957). Fr Ru

Short description of this lake, & note showing that conditions are favorable for carp reproduction & development.

FAO:sjh

F

Gomboșiu, V. (1958) 59-9305  
Bull.Inst.Cerc.piscic., 17(4):88-9  
/Untitled/

Short note on FAO Fishing Gear Congress in Hamburg, 1957.

FAO:sjh

MF

Feodosie, B. (1958) 59-9303  
Bul.Inst.Cerc.piscic., 17(4):84-5  
 Cîteva observațiuni privind reproducerea crapului in insula Letea in anii 1956-1958 (Some observations on the reproduction of carp in Letea Island in 1956-58). Fr Ru

Considers necessity to manage carp spawning areas by construction of network of canals, as means of improving survival of fry.

FAO:sjh

F

Louchet, Cl. (1957) 59-9306  
 Amiens, Yvert & Co., 215 p.  
 La pisciculture - Salmoniculture (Fishculture - Culture of salmonids)  
 Ed. 2. A practical manual containing information compiled & revised from previous publications completed with observations made by the author.

FAO:hr

F



Craddock, D.R. (1958) 59-9307  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(275):8 p.

Spawning escapement of Okanogan River  
blueback salmon (Oncorhynchus nerka),  
1957

Describes a survey, incl. determination  
of age, length, sex composition &  
distribution of the fish on their  
spawning grounds, which is part of a  
series of surveys to determine the  
effect of flood-control work on salmon.

WAD:wad

MF

Anderson, W.W. (1958) 59-9310  
Fish.Bull., U.S., (144):501-19  
Larval development, growth, and  
spawning of striped mullet (Mugil  
cephalus) along the South Atlantic  
coast of the United States

Description of young from 4 mm to  
116 mm .

WAD:glk

MF

Talbot, G.B. & 59-9308  
J.E. Sykes (1958)  
Fish.Bull.,U.S., (142):473-90  
Atlantic coast migrations of American  
shad

The returns from 17,508 American shad,  
Alosa sapidissima, tagged at various  
places along the Atlantic coast over a  
period of 19 years have been used to  
study the migrations of this fish. The  
results, with other evidence are used  
for discussion of homing behaviour & of  
migrations generally.

WAD:glk

MF

Heen, E. (1958) 59-9311  
Aarsberetn.Norg.Fisk., 1957(3):56 p.  
Årsmelding 1957 fra Fiskeri-  
direktoratets Kjemisk-Tekniske  
Forskningsinstitut (Annual  
report from the Chemical Technical  
Research Institute of the Fisheries  
Directorate)

Review of the investigations on fish  
preservation & processing & chemical  
composition of fish, with short  
summaries on main results.

FAO:tl

Nichols, P.R. (1958) 59-9309  
Fish.Bull., U.S., (143):491-500  
Effect of New Jersey-New York pound-net  
catches on shad runs of Hudson and  
Connecticut Rivers

Account of the fishery; report of a  
tagging study from the results of  
which, with data on catch, an estimate  
is made of population size.

WAD:glk

MF

Norway. 59-9312  
Fiskeridirektøren (1958)  
Aarsberetn.Norg.Fisk., 1957(13):34p.  
Fiskeflåten 1957 (Fishing fleet  
1957)

Statistical data on various types &  
sizes of fishing vessels & their  
machinery in Norway.

FAO:tl

M

Grøntved, Jul. (1958) 59-9313  
Medd.Komm.Havundersøg., Kbh., 2(17):  
 15 p.  
 Planktological contributions - III.  
 Investigations on the phytoplankton and  
 the primary production in an oyster  
 culture in the Limfjord. Da

Data on seasonal changes of  
 productivity & standing crop of  
 phytoplankton in western Limfjord  
 during 1957.

FAO:tl

MF

Ursin, E. (1958) 59-9316  
Medd.Komm.Havundersøg., Kbh., 2(20):  
 14 p.

The strength of individual year-  
 classes of plaice in the Danish  
 Waddensea. Da

Contents as per title.

FAO:tl

M

Jensen, J.P. (1958) 59-9314  
Medd.Komm.Havundersøg., Kbh., 2(18):  
 28 p.  
 Studies in the life history of the  
 prawn Leander adspersus (Rathke) and  
 the Danish fishery on this species.  
 Da

Studies on the biology of spawning,  
 migrations; data on Danish prawn  
 fishery, its seasonal variations, age  
 sex & size distribution of the landed  
 prawns & discussions on the  
 fluctuations of prawn fishery.

FAO:tl

MF

Marckmann, K. (1958) 59-9317  
Medd.Komm.Havundersøg., Kbh., 2(21):  
 The influence of the temperature on  
 the respiratory metabolism during the  
 development of the sea-trout.  
 Da

Determination of the respiratory  
 metabolism during the embryonic  
 development at different temperatures  
 & the effects of sudden temporary &  
 permanent alterations of temperature  
 on the respiratory metabolism.

FAO:tl

MF

Jensen, J.P. (1958) 59-9315  
Medd.Komm.Havundersøg., Kbh., 2(19):  
 25 p.  
 The relation between body size and  
 number of eggs in marine malacostrakes.  
 Da

Data on 6 decapods, 1 isopod, 1  
 cumacea & 5 mysids.

FAO:tl

M

Petersen, G.H. (1958) 59-9318  
Medd.Komm.Havundersøg., Kbh., 2(22):  
 Notes on the growth and biology of  
 the different Cardium species in  
 Danish brackish water areas. Da

Taxonomy & distribution of the spp.,  
 notes on the life histories of C.  
edule, C. lamarcki, & C. exiguum,  
 with emphasis on growth in  
 different conditions.

FAO:tl

MF

de Paiva Carvalho, J. (1957) 59-9319  
Contr.Inst.oceanogr.S.Paulo, (1):5 p.  
Cokeridia kathetostoma n.sp., da fam.  
Dactyloscopidae (Cokeridia  
kathetostoma n.sp., from family  
Dactyloscopidae). En

Description of the new sp. captured in the sands of São Sebastião Island, São Paulo, Brazil, which differs from C. crossota, C. fimbriata & C. lactea in the 2 anterior spines separated from the rest of dorsal fin, number of scales of the lateral line & the different body proportions.

GLK:hr

M

Torphy, Sh.R. & 59-9322  
J.M. Zeigler (1957)  
J.Geol., 65(4):433  
Submarine topography of Eastern Channel, Gulf of Maine

Alfred W. Coll.Repr.Woods Hole  
oceanogr.Inst., 1957(385) 1.

M

Anonymous (1957) 59-9320  
Contr.Inst.oceanogr.S.Paulo, (2):5 p.  
Instituto de biologia marítima das  
Caraíbas (Marine biological  
laboratory of the Caribbean)

Describes the location, work, facilities, & fellowships programme of the institute.

GLK:hr

M

Athearn, W.D. (1957) 59-9323  
J.Geol., 65(4):448  
Comparison of clay from the continental shelf off Long Island with the Gardiners clay

M

Ferrando, H.J. (1958) 59-9321  
Contr.Inst.oceanogr.S.Paulo, (2):5 p.  
Red para fitoplankton con copo  
intercambiable (Phytoplankton net  
with exchangeable bucket)

III. Description of a 0,65 cm long phytoplankton net provided with an easily exchangeable bucket.

GLK:hr

M

MacGregor, J.S. (1957) 59-9324  
Fish.Bull., U.S., (121):427-49  
Fecundity of the Pacific sardine  
(Sardinops caerulea)

Records extensive data on the fecundity of the sp. correlated with length, age & weight. Data on age & length at 1st maturity based on the criterion of degree of ovarian ovum development are presented.

FAO:hr

M



Becking, J.M. Bass, J.L. 59-9325  
 Thomson & E.J.W. Wood (1959)  
Aust.J.Mar.Freshw.Res., 10(3):265-71  
 Some aspects of the ecology of Lake  
 Macquarie, N.S.W., with regard to an  
 alleged depletion of fish - I. General  
 introduction

History of fishery in this Australian  
 coastal lake; characteristics of its  
 hydrology, of the entrance channel &  
 of connections with the sea; map.

FAC:ajl

MF

Spencer, R.S. (1959) 59-9326  
Aust.J.Mar.Freshw.Res., 10(3):272-81  
 Some aspects of the ecology of Lake  
 Macquarie, N.S.W., with regard to an  
 alleged depletion of fish - II.  
 Hydrology

Tides, water level, freshwater inflow,  
 temperature & chlorinity cycles,  
 rainfall; wind-generated circulation;  
 changes in nutrients.

FAC:ajl

MF

Becking, J.M. Bass (1959) 59-9327  
Aust.J.Mar.Freshw.Res., 10(3):297-308  
 Some aspects of the ecology of Lake  
 Macquarie, N.S.W., with regard to an  
 alleged depletion of fish - III.  
 Characterization of water and mud

pH, chlorinity, & other physico-chemical  
 characteristics of the water & mud.

FAC:ajl

MF

Wood, E.J.W. (1959) 59-9328  
Aust.J.Mar.Freshw.Res., 10(3):309-15  
 Some aspects of the ecology of Lake  
 Macquarie, N.S.W., with regard to an  
 alleged depletion of fish - IV.  
 Bacterial and fungal studies

Bacterial communities show several  
 peculiarities incl. paucity of  
 cellulose & agar digesters, & presence  
 at times of anaerobic sulphur  
 bacteria in waters containing  
 considerable oxygen. Contamination by  
 faecal pollution of the lake waters  
 could not be demonstrated.

FAC:ajl

MF

Lewis, R.S. (1959) 59-9329  
Aust.J.Mar.Freshw.Res., 10(3):316-27  
 Some aspects of the ecology of Lake  
 Macquarie, N.S.W., with regard to an  
 alleged depletion of fish - V.  
 Chlorophyll distribution

The chlorophyll a in samples from 7  
 stations was determined over the  
 period July 1955 to November 1956.  
 Chlorophyll concentration in surface  
 waters shown to be higher than that of  
 marine water entering the lake, but  
 lower than that of a comparison  
 station in Hawkesbury River. Series of  
 light penetration measurements in Dec.

59-9329  
 (Cont'd)  
 1956 showed all water in the lake lay  
 within the euphotic zone.

FAC:ajl

MF



Wood, E.J.F. (1959) 59-9331  
Aust.J.Mar.Freshw.Res., 10(3):322-40  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - VI. Plant  
communities and their significance

There are 4 plant communities: sea gra  
grass - Zostera, Halophila, Ruppia,  
Posidonia -; reef; mud bottom; &  
phytoplankton. Epiphytes on sea-grasses  
are largely used as food by phytophagous  
fish. Reef community consists of larger  
brown algae, & felts of blue-green algae  
such as Ectocarpus, & other filamentous  
forms. Photosynthetic organisms are  
sparse in the mud bottom, except for the

59-9333  
(Card 2)  
distribution & the relation of the  
faunal distribution to the nature  
of the substrate.

FAO:rjm

MF

59-9331  
(Card 2)  
tapetic organisms in the sea.  
Phytoplankton is abundant.

FAO:ejfw

MF

Thomson, J.M. (1959) 59-9335  
Aust.J.Mar.Freshw.Res., 10(3):354-64  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - VIII.  
Trends of the commercial fish catch  
and management of the fishery

Catches & catches per unit effort of  
Mugil cephalus, bream, Mylio;  
luderick, Girella; flathead,  
Platycephalidae; tailor, Pomatomus;  
monthly trends. History of closures  
& gear regulations; consideration of  
their effects.

FAO:sjh

MF

MacIntyre, R.J. (1959) 59-9333  
Aust.J.Mar.Freshw.Res., 10(3):341-53  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - VII. The  
benthic macrofauna

A number of mollusc spp. was represented  
only by dead shells of recent origin,  
suggesting some catastrophe. No  
evidence that the mussel Trichomya  
hirsuta was affected, & experimentation  
revealed that this sp. can survive long  
periods of immersion under anaerobic  
conditions. Quantities & types of these  
organisms in the lake, & their

Thomson, J.M. (1959) 59-9336  
Aust.J.Mar.Freshw.Res., 10(3):365-74  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - IX. The  
fishes and their food

Lists spp. in systematic order, with  
common scientific names; qualitative  
stomach analyses of the more  
important ones.

FAO:sjh

MF

Thomson, J.M. (1959) 59-9337  
Aust.J.Mar.Freshw.Res., 10(3):375-87  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - X. The  
movements of fish

Results of tagging experiments on about  
30 spp., percentages recaptured,  
localities, maps; discussion of  
validity of these experiments for  
population study.

FAO:sjh

MF

59-9339  
(Card 2)  
attributed to reduction of food  
consequent upon stratification of the  
lake waters after prolonged periods  
of heavy rain.

FAO:jmt

MF

Thomson, J.M. (1959) 59-9338  
Aust.J.Mar.Freshw.Res., 10(3):388-98  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - XI.  
Estimation of fish populations

Peterson & Schnabel method estimates  
from tag returns of population sizes of  
Mugil, Liza, Mylio, Girella, Chrysophrys,  
Meuschenia, Monacanthus & Rhabdosargus  
spp.

FAO:sjh

MF

Schutte, C.H.J. & 59-9341  
J.A. van Eeden (1959)  
Ann.Mag.nat.Hist., (13):1-20  
Contributions to the morphology of  
Biomphalaria pfeifferi (Krauss) - I.  
The shell and radula

Morphology, variability, taxonomy,  
distribution of this freshwater snail  
from S. Africa.

FAO:sjh

F

Thomson, J.M. (1959) 59-9339  
Aust.J.Mar.Freshw.Res., 10(3):399-408  
Some aspects of the ecology of Lake  
Macquarie, N.S.W., with regard to an  
alleged depletion of fish - XII.  
Summary review  
  
Nature of entrance channel determines  
the peculiar attributes of lake. Food  
of fish derived ultimately from the  
benthic flora, incl. epiphytes, rather  
than from plankton. In terms of  
commercial fish catch per man lake is  
as productive as it ever has been. Fall  
in catch of certain spp. 1946 to 1955 is

Greenwood, P.H. (1959) 59-9342  
Ann.Mag.nat.Hist., (13):41-7  
The characin fishes of Lakes Victoria  
and Kyoga

Taxonomic descriptions, colors,  
habitat distribution, bionomic notes  
on Alestes jacksoni (= A. nurse),  
A. sadleri (= Micralestes leneri).

FAO:sjh

F

Tsuruta, A., T. Satow 59-9343  
 & K. Hayama (1957)  
J. Shimonoseki Coll. Fish., (1):1  
 (Oceanographical and planktological  
 studies of tuna fishing ground in the  
 eastern part of the Indian Ocean).  
Ni En

M

Anonymous (1958) 59-9346  
Inform. Fischwirtsch. Auslandes, 8(2):23  
 Neue Forschungsfahrt zur Bäreninsel  
 (New research-cruise to the  
 "Bäreninsel")

M

Kühl, H. (1957) 59-9344  
Veröff. Inst. Küsten-u. Binnenfisch., (15)  
 Wassertemperatur, Salzgehalt und andere  
 chemische Faktoren an der "Alten Liebe"  
 in Cuxhaven im Jahre 1956  
 (Water temperature, salt contents and  
 other chemical factors of the "Alte  
 Liebe" in Cuxhaven in the year 1956)

M

Sager, G. (1957) 59-9347  
Ann. Hydr., (9):7  
 Die Methode der Fix- und  
 Schleppelektroden - ein neuer Weg  
 in der Messung von Meeresströmungen  
 (The method of stationary and towed  
 electrodes in measuring sea currents)

M

Kühl, H. (1957) 59-9345  
Veröff. Inst. Küsten-u. Binnenfisch., (17):  
 Protokolle zur Hydrographie der  
 unteren Weser auf Grund der Unter-  
 suchungsfahrten in den Jahren 1954-1956  
 (Protocols on the hydrography of the  
 lower Weser on the basis of  
 investigations conducted in the years  
 1954-1956)

F

Kolb, O. (1957) 59-9348  
Ann. Hydr., (9):61  
 Neue Geräte des Seehydrographischen  
 Dienstes für die Untersuchung der  
 Sandverfrachtung in der ufernahen  
 Zone (New implements of the  
 Hydrographic Service for the  
 investigation of sand-shipping in the  
 zone near the coast)

M

Messtorff, J. & 59-9349  
R. Steinberg (1958)  
Wiss.Informat.Fischereiprax., 5(1):32  
Echolote in der Binnenfischerei  
(Echosounders in inland fisheries)

F

Cartwright, D.E. (1957) . 59-9352  
In 59-9351:1  
On the vertical motions of a ship in  
sea waves

M

Sager, G. (1957) 59-9350  
Ann.Hydr., (9):35  
Gezeitenkraftwerke (Tide power  
stations)

M

Cummins, W.E. (1957) . 59-9353  
In 59-9351:28  
On ship model testing for the  
prediction of extreme conditions in  
confused seas

M

Symposium on the Behaviour 59-9351  
of Ships in a Seaway, 7-10  
Sept., 1957 (1957)  
Wageningen, 689 p.  
Proceedings

M

Kato, H., Motora, S. & 59-9354  
K. Ishikawa (1957)  
In 59-9351:43  
On the rolling of the ship in  
irregular wind and wave

M



Korvin, B.V., Krokuovsky(1957)59-9355  
In 59-9351:59  
A ship in regular and irregular seas

M

Hanaoka, T. (1957) 59-9358  
In 59-9351:266  
Theoretical investigation  
concerning ship motion in regular  
waves

M

Tick, L.J., & 59-9356  
W.J. Pierson (1957)  
In 59-9351:145  
Some new developments in probabilistic  
and statistical methods applied to  
the study of ship motion

M

Pershin, V.I. & 59-9359  
A.I. Voznessensky (1957)  
In 59-9351:312  
Study of ship speed decrease in  
irregular seas

M

Voznessensky, A.I. & 59-9357  
G.A. Firsoff (1957)  
In 59-9351:152  
Statistical analysis of data concerning  
rolling of ships

M

Sommet, J. (1957) 59-9360  
In 59-9351:354  
The motion of a ship under the action  
of seiche

M

Ochi, K. & 59-9361  
Y. Akita (1957)  
In 59-9351:543  
Ship behaviour and slamming in  
regular waves

M

Sciacchitano, A. (1957) 59-9364  
Riv.Ingegn., 7(8):922  
Il grande bacino di carenaggio del  
porto di Napoli (The big  
careening basin in the harbour of  
Naples)

M

Dorrestein, R. (1957) 59-9362  
In 59-9351:408  
A wave recorder for use on ship in the  
open sea

M

Jónsson, J. (1957) 59-9365  
Geogr.Ann., Stock., 39(2-3):143  
Notes on changes of sea-level on  
Iceland

M

Todd, F.H. (1957) 59-9363  
In 59-9351:656  
On a new facility for testing ship  
models in waves

M

Masson, P.A.A.H. (1958) 59-9366  
Geophysics, 23(2):329  
Seismic survey of Sinai and the  
Gulf of Suez

M

Onoue, M., K. Nishikori                      59-9367  
& M. Nenohi (1957)  
J. Radio Res. Lab., Tokyo, 4(18):395  
Micro-wave propagation over the sea  
beyond the line of sight

M

Guilcher, A. &                                      59-9370  
L. Berthois (1957)  
Rev. Geomorph. dynam., 8(5-6):67  
Cinq années d'observations  
sédimentologiques dans quatre  
estuaires-témoins de l'ouest de la  
Bretagne                      (Five years of  
sedimentologic observations in four  
estuaries in western Brittany)

MF

Elmendorf, C.H. &                              59-9368  
B.C. Heezen (1957)  
Bell. Syst. Tech. J., 36(5):1047  
Oceanographic information for  
engineering submarine cable systems

M

Terzachi, K. (1957)                              59-9371  
Tekn. Ugebl., 104(43):955  
Varieties of submarine slope  
failures

M

Larras, J. (1957)                              59-9369  
Paris  
Plages et côtes de sable                      (Sandy  
beaches and coasts)

M

Zenkovich, V.P. (1957)                      59-9372  
Trud. Inst. Okeanol., 21:40  
(Investigations on the bottom-  
shifting of sands).                      Ru

M

Funk, P. (1958) 59-9373  
Arch.Met., Wien, 10A(2-3):224  
Der Einfluss der Polarisisation auf  
die Reflexion an Wasserflächen  
(The influence of polarisation on the  
reflection of water surfaces)

MF

Rotthauwe, H.W. (1958) 59-9376  
Kieler Meeresforsch., 14(1):48  
Die Sauerstoffbestimmung in See- und  
Süßwasser mit Hilfe der  
Quecksilbertropfelektrode und ihre  
Anwendung bei physiologischen  
Untersuchungen (Oxygen  
determination in sea- and freshwater  
with the mercury-drop-electrode and  
its application at physiological  
investigations)

MF

Burdecki, F. (1958) 59-9374  
Arch.Met., Wien, 8B(3-4):326  
Remarks on the distribution of solar  
irradiation over the surface of the  
earth

MF

Dergunov, I.D. (1958) 59-9377  
Bull.Acad.Sci.U.R.S.S.(Géogr.), (1)  
65  
Gegenwärtige Vorstellung über das  
thermische Verhalten der Erdkruste  
(Actual motion of the thermic  
behaviour of the earth's crust)

MF

Hirano, T. & 59-9375  
C. Boshu (1957)  
Bull.Tokai reg.Fish.Res.Lab., (16):23  
On durability of the surface  
temperature at hydrographic stations  
of the Pacific coast

M

de Rouville, A. (1957) 59-9378  
Houille Blanche, 12(5):784  
Energie mécanique de la marée:  
utilisation (Mechanic tide  
energy: utilization)

M





Hirano, T. & 59-9379  
 K. Sugiura (1958)  
Bull.Tokai reg.Fish.Res.Lab., (22):1-15  
 (On the salinity distribution in a  
 small bay with river discharge).  
Ni En

Describes survey & dynamic analysis  
 of data, Feb.-Sept. 1957, Katsuragi  
 Bay, Japan. Predicted effects of power  
 dam discharge for Nagashima Bay &  
 Miura Bay.

FiB:sjh

MF

Takashi, I. (1958) 59-9382  
Bull.Tokai reg.Fish.Res.Lab., (22):  
 33-6  
 Ecological studies of the topshell,  
Turbo cornutus (Solander) - II.  
 Relation between diet and coloration  
 of the shell. Ni

Continuation of Bull.Jap.Soc.sci.Fish.  
 19(4):410-4, 1953. Reports feeding  
 experiments at Kaminato Marine  
 Biological Laboratory, 1950-51.

FiB:sjh

M

Takemura, Y. (1958) 59-9380  
Bull.Tokai reg.Fish.Res.Lab., (22):17-25  
 (Bottom character of pearling beds in  
 the Arafura Sea - I. Size distribution  
 and mud contents of the Thursday  
 Island and east regions). Ni En

Describes results of 1953-57 surveys.  
 Concludes mud content is important  
 factor in Pinctada maxima distribution,  
 & critical value is 20%.

FiB:sjh

M

Takayama, S. & 59-9383  
 P. Koyama (1958)  
Bull.Tokai reg.Fish.Res.Lab., (22):  
 37-45  
 (Studies on trawl-net - II.  
 Determination of the angle of  
 inclination of triangular brackets  
 giving the optimal angle of attack to  
 the otter board). Ni En

Describes model experiments, &  
 analyses results.

FiB:sjh

M

Sagara, J. (1958) 59-9381  
Bull.Tokai reg.Fish.Res.Lab., (22):27-32  
 (On the optimum temperature and  
 salinity for the development of hard  
 clam, Meretrix meretrix lusoria  
 (Röding) ). Ni En

Controlled aquarium observations of  
 fertilized eggs of clams from Tokyo Bay  
 which had been artificially induced to  
 spawn. Relation of experimentally  
 determined optima to natural  
 conditions.

FiB:sjh

M

Takayama, S. & 59-9384  
 C. Yoshimuta (1958)  
Bull.Tokai reg.Fish.Res.Lab., (22):  
 47-52  
 (Fundamental study of the detection of  
 fish by supersonic wave - I.  
 Preliminary tests on the supersonic  
 reflection of fish and fishing net  
 with a 50 kc supersonic fish finder).  
Ni En

Tank experiments with special fish  
 finder.

FiB:sjh

M

Yanase, M. (1958) 59-9385  
Bull.Tokai reg.Fish.Res.Lab., (22):53-6  
(The vitamin B<sub>6</sub> content of fish liver).  
Ni En

Continuation of Bull.Jap.Soc.sci.Fish.,  
22:51, 1956. Analysis of samples of 22  
mostly marine fish spp.; lengths,  
weights & vitamin content.

FiB:sjh

MF

Fry, F.E.J. & 59-9388  
J.C. Budd (1958)  
Canad.Fish Cult., (23):13-21  
The survival of yearling lake trout  
planted in South Bay, Lake Huron

Growth & survival of marked  
Salvelinus namaycush in absence &  
presence of Petromyzon marinus.

SJH:sjh

F

Hirao, S. & 59-9386  
R. Kikuchi (1958)  
Bull.Tokai reg.Fish.Res.Lab., (22):57-61  
(Fluorodermin, a newly found fluorescent  
hydrocarbon in the skin of fishes).  
Ni En

Separation of this substance from  
Pneumatophorus japonicus, Jack  
mackerel & other spp. Discusses its  
role in photo-response.

FiB:sjh

M

Annan, F.D. (1958) 59-9389  
Canad.Fish Cult., (23):23-5  
Notes on the food of the young of  
three species of Pacific salmon in the  
sea

Stomach contents of Oncorhynchus keta,  
& O. gorbuscha & O. tshawytscha  
taken July 1950 by beach seine, in  
Washington State, were mainly  
copepods, but incl. diptera - larvae  
& pupae -, specifically the chironomid:  
Spanistoma (Camptocladius) pacifica.

SJH:sjh

MF

McCrimmon, H.R. (1958) 59-9387  
Canad.Fish Cult., (23):3-11  
Observations on the spawning of lake  
trout, Salvelinus namaycush, and the  
post-spawning movement of adult trout  
in Lake Simcoe

Summary of observations in this  
Ontario lake, 1951-57; spawning  
grounds, activity of fish, tagging  
experiments.

SJH:sjh

F

Murray, A.R. (1958) 59-9890  
Canad.Fish Cult., (23):27-32  
A direct-current electrofishing  
apparatus using separate excitation

Describes & ill. a powerful but safe  
equipment powered by gasoline engine,  
developed in Newfoundland for  
determining standing crops of Salmo  
salar, Salvelinus fontinalis &  
Anguilla in Little Codroy River &  
Salmonier River.

SJH:sjh

F

Blair, A.A. (1958) 59-9891  
Canad. Fish Cult., (23) 33-7  
Back-pack fish shocker

Describes & ill. portable D.C.  
electric fishing equipment. Successful  
tests in soft-water streams in  
Newfoundland.

SJH:sjh

F

American Fisheries Society (1959) 59-9394  
Trans. Amer. Fish. Soc., 88(2):75-153

Issue dedicated to H.S. Davis, an  
obituary of whom is given on an  
unnumbered page. Contains 59-9395 to  
59-9415.

GLK:sjh

MF

Stringer, G.E. & 59-9392  
R.G. McMynn (1958)  
Canad. Fish Cult., (23):39-47  
Experiments with toxaphene as fish  
poison

The chlorinated camphene - a commercial  
insecticide - was tested in 1956 in 8  
alkaline lakes of British Columbia  
as a means of clearing undesirable fish  
prior to restocking with preferred spp.  
Successful at a range of concentrations  
also in removing amphipods & insect  
nymphs. No harm to plankton or to  
most benthic spp.

SJH:sjh

F

Buss, K. (1959) 59-9395  
Trans. Amer. Fish. Soc., 88:75-80  
Trout and trout hatcheries of the  
future

Methods for improvement of hatchery  
management & production are presented.  
It is concluded that in the future  
application of known information &  
further research will result in more  
efficient & mechanized fish rearing &  
distribution; in better diets &  
feeding methods; in improvements in  
disease control; & in development of  
improved strains of fish. The  
literature on these topics is reviewed.  
GLK:kb

F

Vladykov, V.D. (1958) 59-9393  
Canad. Fish Cult., (23):49  
Freshwater fishery biology

Review of original publication by  
K.F. Lagler, W.C. Brown Co., Dubuque  
Iowa, 1956, 434 p.

SJH:

F

White, C.E., Jr. (1959) 59-9396  
Trans. Amer. Fish. Soc., 88:81-7  
Selectivity and effectiveness of  
certain types of commercial nets in  
the T.V.A. Lakes of Alabama

Descriptions of trammel, riprap &  
nylon gill nets; their effectiveness  
in taking rough fish & gamefish;  
experiments in 1955 & 1956; catches  
obtained with 3, 3.5 & 4 inch bar  
meshes; spp. selectivity & mean sizes,  
but no size frequency distributions.

GLK:sjh

F



Katz, M., A. Pritchard 59-9397  
& C.E. Warren (1959)

Trans.Amer.Fish.Soc., 88:88-95  
Ability of some salmonids and a  
centrarchid to swim in water of  
reduced oxygen content

Ill. description of apparatus  
permitting fish to swim for one or 2  
days against currents of known  
velocity & in controllable O<sub>2</sub>-  
concentrations. Results of experiments  
with Oncorhynchus tshawytscha, O.  
kisutch, Micropterus salmoides. Brief  
consideration of ecological significance  
of findings.

GLK:sjh

MF

McHugh, J.L. (1959) 59-9400  
Trans.Amer.Fish.Soc., 88:105-10  
Can we manage our Atlantic coastal  
fishery resources?

Methods designed to foster  
management for optimum sustained  
yield for each important sp., holds  
little promise for management of  
migratory fishes in inshore waters  
of the Atlantic coast. More  
consideration should be given to  
management of the biomass of the  
entire resource. Some statistics of  
the Atlantic coast fisheries are  
given & promising approaches for  
bettering management discussed.

GLK:jlm

MF

Hoffman, G.L. (1959) 59-9398

Trans.Amer.Fish.Soc., 88:96-9  
Studies on the life cycle of Apatemon  
gracilis pellucidus (Yamag.) (Trematoda:  
Strigeoidea)

Tetracotyliform metacercaria found in  
musculature of brook stickleback,  
Eucalia inconstans, characterized by a  
tail-like appendage on the cyst. Proved  
to be Apatemon gracilis pellucidus.  
Attempts to infect snails, Physa,  
Stagnicola & Helisoma, were unsuccessful.

GLK:glh

F

Surber, B.W. (1959) 59-9401

Trans.Amer.Fish.Soc., 88:111-6  
Cricotopus bicinctus, a midgefly,  
resistant to electroplating wastes

In polluted stretches of Michigan  
rivers, larvae of C. bicinctus  
(Meigen), were found to be  
particularly resistant to wastes  
containing hexavalent chromium,  
cyanides, & copper & to low oxygen  
levels. Only other common bottom  
invertebrates were the annelids,  
Limnodrilus & Tubifex, & a midge  
tentatively identified as a sp. of  
Pontapedilum.

GLK:ews

F

Schaefer, M.B. (1959) 59-9399

Trans.Amer.Fish.Soc., 88:100-4  
Biological and economic aspects of the  
management of commercial marine  
fisheries

Essay on implications of peaked curves  
of average steady catch against  
fishing effort; economic & management  
implications. Ci 581530, 582714, 580967  
& 581337.

GLK:sjh

MG

Wolf, R. & 59-9402

C. . Dunbar (1959)  
Trans.Amer.Fish.Soc., 88:117-24  
Test of 24 therapeutic agents for  
control of Kidney disease in trout

Sixteen strains of fish kidney  
bacterium were tested in  
vitro to determine their reaction to  
34 therapeutic agents. Ten of the  
agents were employed in experimental  
therapy of kidney disease in  
Salvelinus fontinalis.

GLK:kw

F



Williams, W.B. (1959) 59-9403  
Trans.Amer.Fish.Soc., 88:125-7  
Food conversion and growth rates for  
largemouth and smallmouth bass in  
laboratory aquaria

Laboratory experiments with Micropterus  
salmoides & M. dolomieu.

GLK:sjh

F

Phillips, A.M., Jr. (1959) 59-9406  
Trans.Amer.Fish.Soc., 88:133-5  
The known and possible role of  
minerals in trout nutrition and  
physiology

Short review of knowledge & plea for  
its extension to provide sounder basis  
for hatchery rearing & management of  
natural waters. Ci 571257, 584820, &  
571256.

GLK:sjh

F

Haley, A.J. & H.E.Winn (1959) 59-9404  
Trans.Amer.Fish.Soc., 88:128-9  
Observations on a lernaeal parasite  
of freshwater fishes

Incidence, in fish from a Maryland pond,  
of Lernaea cyprinacea. Hosts were  
Catostomus, Erimyzon, Lepomis, Notropis,  
Notemigonus.

GLK:sjh

F

Parsons, J.W. (1959) 59-9407  
Trans.Amer.Fish.Soc., 88:136-40  
Musculature in Tennessee streams

Growth, maturity, habitat &  
distribution of Esox masquinongy.

GLK:sjh

F

Iversen, E.S. & 59-9405  
R.B. Manning (1959)  
Trans.Amer.Fish.Soc., 88:130-2  
A new microsporidian parasite from the  
pink shrimp (Penaeus duorarum)

Thelohania duorarum n.sp., described  
& named from musculature, in samples  
from S. Florida.

GLK:sjh

F

Smith, L.L., Jr., D.R. 59-9408  
Franklin & R.H. Kramer (1959)  
Trans.Amer.Fish.Soc., 88:141-6  
Electro-fishing for small fish in  
lakes

Ill. description & circuit of  
electric seine for small fish in  
shallow water mounted in boat with  
portable generator. Field trials in  
Lake George, Minnesota; catches mostly  
bluegills & yellow perch.

GLK:sjh

F

Winters, T.F. (1959) 59-9409  
Trans.Amer.Fish.Soc., 88:147-8  
A treatise on limnology - Volume I.  
Geography, physics and chemistry  
Re 581057.

GLK:

FG

Moen, T. (1959) 59-9412  
Trans.Amer.Fish.Soc., 88:149  
Sexing of channel catfish

Urinary & genital ducts of Ictalurus punctatus have common external opening in male, separate in female. Ill. lists many other spp. that can be sexed in this way, incl. spp. of Ictiobus, Roccus, Dorosoma, Stizosledion, Perca, Aplodinotus, Ambloplites & Pylodictis.

GLK:sjh

Moyle, J.B. (1959) 59-9410  
Trans.Amer.Fish.Soc., 88:148  
Manual of aquatic plants  
Re 570509.

GLK:

F

Galligan, J.P. (1959) 59-9413  
Trans.Amer.Fish.Soc., 88:150-1  
An 8-year-old sockeye salmon from Connecticut

Ill. of scale from landlocked specimen, & discussion of its implication.

GLK:sjh

MF

Moyle, J.B. (1959) 59-9411  
Trans.Amer.Fish.Soc., 88:148  
Fisheries, fish farming, fish management  
Re 59-6847.

GLK:

Cooper, E.L. & J.K. Andersen (1959) 59-9414  
Trans.Amer.Fish.Soc., 88:151-2  
Variability of infection of black-spot parasite (Neascus spp.) in some cyprinid fishes

Occurrence of this digenetic trematode in Rhinichthys & Semotilus in Pennsylvania waters.

GLK:sjh

F

Whitney, A.N. & J.C. Spindler (1959)  
Trans.Amer.Fish.Soc., 88:153  
Effects of kraft paper wastes on a Montana stream

59-9415

Reports mortality pre- & post- 1957 - date of commencement of mill operations of Salmo, Proscium, Catostomus & other genera.

GLK:sjh

F

American Fisheries Society (1959)  
Trans.Amer.Fish.Soc., 88(3):155-240

59-9418

Contains 59-9416, 59-9419 to 59-9432 agenda & proceedings of 88th annual meeting of American Fisheries Society, Philadelphia, 8-19/9/58; resolutions; reports of officers & committees on international relations, national-state relations, names of fishes, water pollution. List of participants in 88th meeting.

GLK:sjh

MF

Huet, M. (1959)  
Trans.Amer.Fish.Soc., 88:155-63  
Profiles and biology of Western European streams as related to fish management

59-9416

4 zones, characterized by Salmo trutta, Thymallus thymallus, Barbus barbus, Abramis brama related to longitudinal section - slope of stream bed - & to cross section of stream & its valley. The physical & biological characteristics of these zones are discussed together with the concepts "slope-rule" & "slope-graph", which express these relationships, & which have proven useful for evaluating & comparing running waters

Scattergood, L.W.; C.J. Sindermann & B.E. Skud (1959)  
Trans.Amer.Fish.Soc., 88:164-8  
Spawning of North American herring

59-9419

Seasonal N-S progression of spawning time of Clupea harengus & C. pallasii, NW Atlantic & NE Pacific respectively, are compared, & related to water temperatures & type of bottom & substrate of egg attachment.

GLK:sjh

M

& for estimating fisheries potentials of streams from topographic information.

59-9416  
(Card 2)

GLK:mh

F

McKernan, D.L. (1959)  
Trans.Amer.Fish.Soc., 88:169-75  
Present status of commercial fisheries in the United States

59-9420

Relation of 1957 catches to those of preceding year; economic difficulties of the industry; increased imports maintain steady per capita consumption.

GLK:sjh

MF



McFadden, J.T. (1959) 59-9421  
Trans.Amer.Fish.Soc., 88:176-7  
 Relationship of size and age to time  
 of annulus formation in brook trout

Study of scale samples of Salvelinus  
fontinalis from a Wisconsin creek in  
 1956.

GLK:sjh

F

Parsons, J.W. & 59-9424  
 E. Crittenden (1959) ...  
Trans.Amer.Fish.Soc., 88:191-2  
 Growth of the redeye bass in Chipola  
 River, Florida

Age-length & weight relations in  
Micropterus coosae in 1956-57 samples.

GLK:sjh

F

Moyle, J.B. & 59-9422  
 W.D. Clothier (1959)  
Trans.Amer.Fish.Soc., 88:178-85  
 Effects of management and winter oxygen  
 levels on the fish population of a  
 prairie lake

Study of Lake Traverse 1945-58,  
 Minnesota, S. Dakota; important fish  
 were Cyprinus & Ictalurus. Stizostedion  
 were stocked. Other spp. considered  
 were Perca, Pomoxis, Micropterus,  
Notropis, Lepomis, Esox, Catostomus.

GLK:sjh

F

Havey, K.A. (1959) 59-9425  
Trans.Amer.Fish.Soc., 88:193-6  
 Validity of the scale method for  
 aging hatchery-reared Atlantic salmon

Study of scales of 142 fin clipped  
 Maine Salmo salar of known age; 80%  
 could be correctly aged, & all correct  
 within one year. Scale growth patterns  
 less regular than those formed under  
 lake conditions, & this resulted in  
 errors. 10 showed spawning marks, but  
 none more than one.

GLK:sjh

MF

Ruggles, C.P. (1959) 59-9423  
Trans.Amer.Fish.Soc., 88:186-90  
 Salmon populations and bottom fauna in  
 the Wenatchee River, Washington

Autumn standing crops of benthos in  
 1940-1956; relation of decline in these  
 to grazing activity of increasing  
 chinook salmon & steelhead trout stocks  
 migrating down.

GLK:sjh

MF

Jepson, P.W. & 59-9426  
 W.S. Platts (1959)  
Trans.Amer.Fish.Soc., 88:197-202  
 Ecology and control of the Columbia  
 squawfish in Northern Idaho lakes

Fishery, diet, growth, fecundity,  
 gill net selectivity of Ptychocheilus  
oregonensis; competition with  
Salvelinus malma, Salmo gairdneri &  
Ictalurus nebulosus.

GLK:sjh

F



Atton, F.M. (1959) 59-9427  
Trans.Amer.Fish.Soc., 88:203-5  
The invasion of Manitoba and  
Saskatchewan by carp

Rate of spread of Cyprinus carpio;  
discussion of infertile & cold water  
as ecological barrier.

GLK:sjh

F

Moyle, J.B. (1959) 59-9430  
Trans.Amer.Fish.Soc., 88:211-2  
Legal status of fish-impaling  
devices

Historical note on use by Indians of  
spears, leisters & harpoons; present  
use of such devices in sport fishing  
in US & Canada, legality in states &  
provinces of spearing in open waters  
or through ice or underwater bow &  
arrow fishing, harpoon & cross-bow.  
Questionnaire refers to law concerning  
powered devices, barbs, poison, use  
in trout waters.

GLK:sjh

MF

Thompson, W.F. (1959) 59-9428  
Trans.Amer.Fish.Soc., 88:206-9  
An approach to population dynamics  
of the Pacific red salmon

A review essay comparing characteristics  
of a short living sp. in which each  
individual may spawn once only in a  
life-time, & longer lived fish such as  
halibut. Survival value of home stream  
seeking & other specific behavioural  
characteristics.

GLK:sjh

MF

Clark, J.M. (1959) 59-9431  
Trans.Amer.Fish.Soc., 88:212-3  
Sexual maturity of haddock

1949-50 samples of Melanogrammus  
aeglefinus from Georges & Browns Banks.  
Comparisons with North Sea data,

GLK:sjh

M

Nord, R.C. (1959) 59-9429  
Trans.Amer.Fish.Soc., 88:210-1  
Fisheries survey of upper Mississippi  
River

A note on history & activities of  
UMRCC - Upper Mississippi River  
Conservation Committee - which has  
representatives from Minnesota,  
Wisconsin, Iowa, Illinois & Missouri.

GLK:sjh

F

Dobie, J. (1959) 59-9432  
Trans.Amer.Fish.Soc., 88:213  
Note on food of northern log perch

Diet of Percina caprodes semifasciata  
in Lake Vermilion, Minnesota.  
Comparison with Lake Erie & Buckeye  
Lake, Ohio Log Perch, P.c.caprodes.

GLK:sjh

F

Osterhout, W.J.V. (1957) 59-9433  
Annu.Rev.Pl.Physiol., 8:1-10  
 The use of aquatic plants in the study  
 of some fundamental problems

A general essay, with special  
 reference to work on Laminaria,  
Griffithsia, Nitella, Zostera, Ulva,  
Valonia, Halicystis, Rhabdonia  
 (= Agardhiella), with special reference  
 to large cells for cytological &  
 physiological studies.

FAO:sjh

MF

Rosenberg, J.L. (1957) 59-9436  
Annu.Rev.Pl.Physiol., 8:115-36  
 Photochemistry of chlorophyll

General review of recent literature  
 up to Nov. 1956. Incl. reference to  
 studies with Chlorella.

FAO:sjh

FG

Gauch, H.G. (1957) 59-9434  
Annu.Rev.Pl.Physiol., 8:31-64  
 Mineral nutrition of plants

General review of recent literature up  
 to Sept. 1956. Incl. references to  
 studies of Lemna, Chlorella, Nostoc,  
Anabaena, Scenedesmus & other aquatic  
 genera.

FAO:sjh

MF

Glendenning, K.A. (1957) 59-9437  
Annu.Rev.Pl.Physiol., 8:137-52  
 Biochemistry of chloroplasts in  
 relation to the hill reaction

General review of recent literature up  
 to Sept. 1956. Incl. reference to  
 studies of Chlorella.

FAC:sjh

MF

Steward, F.C. & 59-9435  
 J.K. Pollard (1957)  
Annu.Rev.Pl.Physiol., 8:65-114  
 Nitrogen metabolism in plants: ten  
 years in retrospect

General review of literature up to  
 Oct. 1956. Incl. reference to studies  
 of Chlorella, Scenedesmus & other  
 aquatic forms.

FAO:sjh

MF

Collander, R. (1957) 59-9438  
Annu.Rev.Pl.Physiol., 8:335-48  
 Permeability of plant cells

General review of recent literature  
 up to Aug. 1956. Incl. reference to  
 studies with Nitella, Hydrodictyon,  
 & Chlorella.

FAO:sjh

MF

Brian, P.V. (1957) . . . 59-9439  
Annu.Rev.Pl.Physiol., 8:413-26  
Effects of antibiotics on plants

General review of recent literature  
up to March 1956. Incl. reference to  
Euglena & Chlorogonium - loss of  
eyespot, etc. - Lemna, growth,  
Scenedesmus, photosynthesis.

FAC:sjh

MG

Emerson, R. (1958) . . . 59-9442  
Annu.Rev.Pl.Physiol., 9:1-24  
The quantum yield of photosynthesis

General review of recent literature  
up to Sept. 1957; incl. reference to  
studies with Chlorella, Navicula &  
other aquatic forms.

FAC:sjh

FG

Crafts, A.S., L. Machlis . . . 59-9440  
& J.G. Torrey (1958)  
Annu.Rev.Pl.Physiol., 9:510 p.

Subjects covered are: The quantum yield  
of photosynthesis; Physiology of salt  
tolerance; The naturally-occurring  
auxins and inhibitors; Destruction of  
auxin; Metabolism of ascorbic acid in  
plants - Part I. Function; Physiology  
of the tobacco plant; Mineral nutrition  
of tree crops; Physiology of the fresh-  
water algae; The metabolism of amino  
acids and proteins in plants; Auxin  
uses in the control of flowering and  
fruiting; Herbicides; Morphogenesis in  
lower plants; Postharvest physiology

Krauss, R.J. (1958) . . . 59-9443  
Annu.Rev.Pl.Physiol., 9:207-44  
Physiology of the fresh-water algae

General review of recent literature  
up to Aug. 1957, incl. reference to  
very many genera, especially Chlorella,  
Scenedesmus, Chlamydomonas, Nostoc,  
Nitella, Nitzschia, Ulva, Navicula,  
Gonium, Pandorina, Oedogonium,  
Hydrodictyon, Anabaena, Skeletonema,  
Oscillatoria.

FAC:sjh

F

59-9440  
(Card 2)  
of fruits; The biogenesis of flavonoids;  
Cytochromes in plants, Indexes.  
Contains 59-9442 to 59-9447, & author  
& subject indexes.

FAO:sjh

MF

Yemm, E.W. & . . . 59-9444  
B.F. Folkes (1958)  
Annu.Rev.Pl.Physiol., 9:245-80  
The metabolism of amino acids and  
proteins in plants

General review of literature up to  
Oct. 1957, incl. reference to studies  
of Chlorella, Chlamydomonas.

FAC:sjh

FG



Woodford, E.K., K. Holly 59-9445  
& C.C. McCready (1958)  
Annu.Rev.Pl.Physiol., 9:311-58  
Herbicides

General review of recent literature  
up to Sept. 1957. Incl. reference to  
studies with Nitella, Lemna.

FAO:sjh

FG

Machlis, L. & 59-9448  
J.G. Torrey (1959)  
Annu.Rev.Pl.Physiol., 10:482 p.

Subjects covered are: Prefactory  
chapter; Foliar absorption of  
mineral nutrients; Leaf proteins;  
Light induced reactions of bacterial  
chromatophores and their relation to  
photosynthesis; The structure of the  
chloroplast; Active transport of salt  
into plant tissue; Respiratory  
mechanisms in higher plants; Photo-  
periodic control of floral induction;  
The lignins; Fat metabolism in higher  
plants; The pine tree; Physiology of  
virus diseases; Plant chemotherapy;

Jaffe, L.F. (1958) 59-9446  
Annu.Rev.Pl.Physiol., 9:359-84  
Morphogenesis in lower plants

General review of recent literature  
up to Aug. 1957; incl. reference to  
Fucus, Blastocladiella, a water mold,  
Oedogonium, Laminaria, Spirogyra,  
Nitella, Griffithsia, Cladophora,  
Enteromorpha, Chara, & Pithophora.

FAC:sjh

MF

59-9448  
(Card 2)  
The macronutrient elements; Nitrogen  
nutrition; Metabolism of carbon  
compounds. The chemical regulation of  
growth (Some substances and extracts  
which induce growth and morphogenesis);  
Auxins & fungi; Phototropism &  
phototaxis; Indexes.  
Contains 59-9450 to 59-9452, & author  
& subject indexes.

FAO:sjh

MF

Smith, L. & 59-9447  
B. Chance (1958)  
Annu.Rev.Pl.Physiol., 9:449-82  
Cytochromes in plants

General review of recent literature up  
to Sept. 1957; incl. reference to  
Chlamydomonas, Chlorella, &  
Porphyridium.

FAO:sjh

FG

Wolken, J.J. (1959) 59-9450  
Annu.Rev.Pl.Physiol., 10:71-86  
The structure of the chloroplast

General review of recent literature  
up to 1-9-59, with reference to many  
studies of algae, incl. Spirogyra,  
Chlamydomonas, & of Euglena, Elodera,  
Nostoc.

FAO:sjh

MF



Burris, R.H. (1959) 59-9451  
Annu.Rev.Pl.Physiol., 10:301-28  
Nitrogen nutrition

General review of recent literature up  
to Sept. 1958; incl. reference to N  
uptake by Chlorella.

FAC:sjh

FG

59-9453  
(Card 2)

equation of Ci 581530 expressed  
as a summation instead of as an  
integral.

FiB:sjh

LF

Reiner, J. (1959) 59-9452  
Annu.Rev.Pl.Physiol., 10:441-58  
Phototropism and phototaxis

General review of recent literature  
up to June 1958; incl. section on  
phototaxis of flagellates, especially  
Euglena, Volvocales, Chilomonas,  
Ceratium, Phacus, Eudorina,  
Chlamydomonas, Dinophyceae.

FAC:sjh

LF

McGowan, J.A. (1958) 59-9455  
46 p.

The trochus fishery of the trust  
territory of the Pacific Islands -  
A report and recommendations to the  
High Commissioner, April 1958

Summary of 2 1/2 year study. History of  
catches, distribution, bionomics &  
ecology, conservation, harvesting,  
recommendations for development of  
industry, bibliography.

FiB:sjh

M

Deelder, C.L. & 59-9453  
J.F. de Veen (1958)  
Arch.neerl.Zool., 13, 1st Suppl.:461-71  
A calculation on the fishing-intensity  
of the eel trawl on the IJsselmeer and  
on the effect of an increase of the  
legal minimum size for eels (Anguilla  
vulgaris Turt.)

Conversion of Zuyder Sea into  
IJsselmeer resulted in huge increase in  
Anguilla population. Gives length-  
weight relation, growth in length,  
mortality rates, & uses the parameter  
values obtained in a yield assessment  
equation derived from the basic

McGowan, J.A. (1957) 59-9456  
12 p.

The current status of the trochus  
industry in Micronesia. An interim  
report to the High Commissioner of the  
trust territory of the Pacific

LF

Fage, L. (1959) 59-9457  
C.R.Acad.Sci., Paris, 249:1733-5  
 Formation de la cavité incubatrice  
 chez les oxycéphalides, crustacés  
 amphipodes pélagiques (Formation  
 of incubatory cavity in the  
 oxycephalids, pelagic amphipod  
 crustaceans)

Descriptive note concerning  
Glossocephalus, Oxycephalus,  
Rhabdosoma.

FAO:sjh

M

Lejuez, R. (1959) 59-9460  
C.R.Acad.Sci., Paris, 249:1824-6  
 Etude du mutant bimaculatum de  
Sphaeroma monodi Bocquet, Hoestlandt,  
 Lévi (Isopode flabellifère)  
 (Study of the mutant bimaculatum of  
Sphaeroma monodi Bocquet, Hoestlandt,  
 Lévi (Flabelliferous isopod))

Describes specimens from Roscoff &  
 Normandy coast.

FAO:sjh

M

Bourcart, J. (1959) 59-9458  
C.R.Acad.Sci., Paris, 249:1783-4  
 Hypothèses sur le mode de transport  
 et de dépôt des sédiments en  
 Méditerranée occidentale  
 (Hypotheses on the mode of transport  
 and deposit of sediments in the  
 Western Mediterranean)

A short note on this subject.

FAO:sjh

M

Bourcart, J. (1959) 59-9461  
C.R.Acad.Sci., Paris, 249:1380-2  
 Le plateau continental de la  
 Méditerranée occidentale  
 (The continental shelf of Western  
 Mediterranean)

Describes structure in different  
 regions & discusses geological  
 origins.

FAO:sjh

M

Bouligand, Y. & 59-9459  
 C. Delamare Deboutteville (1959)  
C.R.Acad.Sci., Paris, 249:1807-9  
Lamippella faurei n.g.n.sp.  
 Considérations morphologiques sur la  
 famille des Lamippides, copépodes  
 parasites des octocoralliaires  
 (Lamippella faurei n.g.n.sp.  
 Morphological considerations of the  
 family Lamippidae, copepods parasitic on  
 octocorals)

Ill. description of specimens from  
Alcyonium, Rolandia, Eunicella &  
Parerythropodium, at Banyuls-sur-Mer.

FAO:sjh

M

Papi, F. (1957) 59-9462  
Pubbl.Staz.zool.Napoli, 30(1):132-48  
 Sopra un nuovo turbellaria arcofooro  
 (Il nuovo colore significato filético e  
 la posizione della fam. Hofstenidae  
 nel sistema delle Turbellaria  
 (A new arcophorate turbellarian of  
 particular phyletic significance  
 bearing on the systematic position of  
 the family Hofstenidae)

Family previously held only one sp.,  
Hofstenia atroviridis. A new sp. H.  
varii is described. BA 33(11)43336.

FAO:sjh

M

Sroufe, S.A., Jr. (1959) 59-9463  
Dissert.Abstr., 19(10):2696-7  
Studies on the morphology and  
development of Mazocraeoides  
olentangiensis n.sp. (Trematoda:  
monogenea) a parasite of the gizzard  
shad, Lorosoma cepedianum (Le Sueur)

BA 33(11)43338.

MF

Barnard, J.L. (1958) 59-9466  
Bull.S.Calif.Acad.Sci., 57(2):85-90  
A remarkable new genus of corophiid  
amphipod from coastal marine bottoms  
of Southern California

BA 33(11)43339. Gaviota podophthalma.

Pax, F. (1957) 59-9464  
Pubbl.Staz.zool.Napoli, 30(2):309-29  
Die Zoantharia des Golfes von Neapel  
(Zoantharia of the Gulf of Naples)

BA 33(11)43349. Among 6 zoantharians  
spp. described earlier, 2 are  
recognized as racial types. Parazoanthus  
axinellus is identified as P. a. forma  
mülleri, & Epizoanthus armatus is  
named E. a. forma neapolitanus.

:ba

M

Hobbs, H.H. & 59-9467  
M. Walton (1959)  
Proc.biol.Soc.Wash., 72:39-44  
A new crayfish of the genus  
Procambarus from Alabama (Decapoda,  
Astacidae)

BA 33(11)43364. P. lewisi was  
collected in 8 localities near  
Montgomery, 200 miles east of the  
locality in which its closest  
relative, P. jaculus, was found.  
Both are secondary burrowing spp.,  
associated with temporary bodies of  
water.

:ba

F

Plessis, Y. (1958) 59-9465  
Bull.Mus.Hist.nat., Paris, 30(4):379-85  
Quelques observations sur le cycle  
de meduses Acalephes (Some  
observations on the life cycle of some  
medusoid coelenterates)

BA 33(11)43350. Observations on life  
cycle of several spp. indicate  
difficulty of giving specific names  
to polyps or planula unless identify  
of the medusoid form is known.

:ba

M

Shiino, S.M. (1957) 59-9468  
Wash.Mus.Biol., 15(2):161-97  
The marine wood-boring crustaceans of  
Japan - II. (Sphaeromidae and  
Cheluridae)

BA 33(11)43369. Descriptions of 3 spp  
of the isopod Sphaeromidae,  
Sphaeroma labridii Dollfus, S.  
retrolaevis Richardson & Cymodoce  
japonica Richardson, & of 1 sp. of the  
amphipod Cheluridae, Chelura brevi-  
cauda Shiino, with observations on  
their burrows. Exosphaeroma ovata  
Gurjanova is also described.

:ba

M



Shiino, S.M. (1958) 59-9469  
Annot.zool.jap., 31(3):161-6  
 Über eine neue Art der schmarotzenden  
 Copepodengattung Dysgamus, aus der  
 Bucht von Sagami (On a new species  
 of the parasitic copepod genus  
Dysgamus from Sagami Bay)

BA 33(11)43370. Description of D.  
sagamiensis from the body surface of  
Caranx urapsis, obtained in 1956 near  
 coast of Hayama, Japan.

:ba

M

Plessis, Y. (1958) 59-9472  
Bull.Mus.Hist.nat., Paris, 30(5):454-7  
 Note préliminaire sur l'étude  
 statistique des coquilles vides de  
 bivalves en particulier de Mytilus  
edulis L. (A preliminary note on  
 a statistical study of the empty  
 shells of bivalves, particularly  
 those of Mytilus edulis L.)

BA 33(11)43499. Empty shells were  
 studied from series of stations near  
 Calvados. Percentage of shells  
 pierced by Purpura lapillus varied  
 from place to place, but appears to  
 be an important predator.

:ba

M

Koshtoyants, C.S. & 59-9470  
 J. Salanki (1958)  
Acta Univ.Szeged (Biol.), 8(4):361-6  
 On the physiological principles  
 underlying the periodical activity of  
Anodonta

BA 33(11)43495. Concentration of  
 potassium ions plays an important part  
 in formation & modification of activity  
 of A. cygnea.

:ba

F

Thomas, G.J. (1959) 59-9473  
Nautilus, 72(4):131-40  
 Self-fertilization and production of  
 young in a sphaeriid clam

BA 33(11)43504. 6 generations were  
 produced successively by self-  
 fertilization in Sphaerium (Musculium)  
partumeium.

:ba

M

Menzies, R.J. (1958) 59-9471  
Pubbl.Staz.zool.Napoli, 30(3):381-401  
 Shell bearing pteropod gastropods from  
 Mediterranean plankton (Cavolinidae)

BA 33(11)43497. 9 spp. are described:  
Creseis virgula, C. acicula, C.  
chierchiaae, Styliola subula, Halocyclus,  
Eucloa pyramidata, E. caspidata,  
Cavolinia givvosa, C. inflexa.  
 Ill. of shells.

:ba

M

Winkler, L.R. (1958) 59-9474  
Bull.S.Calif.Acad.Sci., 57(2):106-7  
 The range of the California sea hare,  
Aplysia californica Cooper

BA 33(11)43511. Southern range is  
 extended from Todos Santos Bay, Baja  
 California to San Felipe Bay near the  
 tip of Baja California. Northern limit  
 remains Monterey Bay, California.  
 Distribution of specimens from Allan  
 Hancock collection is reported.

:ba

M



Lorant, M. (1959)  
Naut.Mag., 181(2):78  
Project iceskate

59-9475

M

Balinskii, B.I. (1959) 59-9478  
Exp.Cell Res., 16(2):429-33

An electron microscopic investigation of the mechanisms of adhesion of the cells in a sea urchin blastula and gastrula

BA 33(11):39808. A study of ultrathin sections of the early embryos of several spp. of sea urchins.

ba

M

Roessingh, M. (1958) 59-9476  
Arch.néerl.Zool., 12(4):568-70  
Sampling problems in fish population studies in the sea

BA 33(11)43529.

M

Suzuki, R. (1958) 59-9479  
Embryologia, 4(2):93-102

Sperm activation and aggregation during fertilization in some fishes - I. Behaviour of spermatozoa around the micropyle

BA 33(11)39854. Morphological observation of the micropyle of eggs of the bitterling Rhodeus ocellatus, sperm aggregation & activation around the micropyle of eggs of Acheilognathus lanceolata, A. tabira & R. ocellatus, & of Sarcocheilichthys variegatus.

:ba

F

Anonymous (1958) 59-9477  
Mem.Coll.Agric.Kyoto(Fish.Ser.),  
Spec.No. 1958:1-2  
History and organization of the Department of Fisheries and Misaki Marine Biological Institute

BA 33(11)39662. 4 pages of photographs & plan drawings supplement the text.

aba

L

Wiepkema, F.R. (1957) 59-9480  
Levende Nat., 60(8):169-77  
Mating behaviour in Rhodeus amarus

BA 33(11)40098. Supplementing descriptions by Tinbergen, 1938, & Kristensen, 1952, in the same journal. Behaviour of male towards the fresh-water mussel, toward other males, towards the female.

ba

F

Tsukuda, H. & 59-9481

T. Katayama (1957)  
Physiol. & Ecol., Japan, 7(2):113-22  
(Temperature adaptation in fishes - I.  
The influence of rearing temperature  
on temperature tolerance, growth rate,  
and body form). Ni En

BA 33(11)40111. Lebistes reticulatus &  
Oryzias latipes were kept at 20°, 25°,  
& 30°C, & the influence of the  
environmental temperatures observed.

:ba

F

Hoffmann, L. (1958) 59-9484

Erit. Birds, 51(9):321-50  
An ecological sketch of the Camargue  
BA 33(11)40130. Flora & fauna of each  
region are described. A list of 22  
spp. of marine fishes found in the  
saline lagoons of the island is  
presented.

:ba

MF

Booolootian, R.A. (1958) 59-9482  
Bull. S. Calif. Acad. Sci., 57(2):91-2  
Notes on an unexpected association  
between a common barnacle and echinoid

BA 33(11)40119. Specimens of  
Strongylocentrotus franciscanus from  
Malibu, California, incl. one with a  
single large barnacle, Balanus  
tintinabulum, attached directly to the  
test, & smaller ones attached to the  
larger.

:ba

F

Kawanabe, H. (1957) 59-9485  
Jap. J. Ecol., 7(4):131-7  
(Social behaviour and production of  
a salmon-like fish, Plecoglossus  
altivelis, or Ayu, with reference to  
its population density). Ni En

BA 33(11)40134. This fish has been  
studied since 1955 in the River  
Ukawa on Japanese Sea coast & 5 types  
were recognized according to social  
behaviour. Social type appears to  
change with density, this is  
accompanied by difference in body-  
length & distribution.

:ba

MF

Curry-Lindahl, K. (1957) 59-9483  
K. fysiogr. Sällsk. Lund Förh., 27:161-72  
The occurrence of the char, Salmo  
alpinus, in running waters in Arctic  
and high boreal areas in Sweden

BA 33(11)40122.

F

Kurasawa, H. (1957) 59-9486  
Jap. J. Ecol., 7(4):160-5  
(Biological production of two  
molluscan populations in the  
littoral region of Lake Suwa).  
Ni En

BA 33(11)40137. Changes in standing  
crop & productivity of populations  
of Semisulcospira libertinus &  
Viviparus histricus on the coast of  
Lake Suwa near the inlet of the  
Rokuto River are discussed.

:ba

F

Pavletić, Z. (1957) 59-9487  
Acta bot.croat., 16:63-88  
 Ekološki odnosi briofitske vegetacije  
 na slapovima Plitvičkih jezera  
 (Ecological relationships in the mossy  
 vegetation at the waterfalls of Lake  
 Plitvice). De

BA 33(11)40169. Work carried out in  
 1954 & 1956. Peculiar ecological  
 conditions at these waterfalls.  
 Consistent differences are noted  
 between the upper and lower falls.

:ba

F

Hedlin, P., E. Julin 59-9490  
 & A. Pekkari (1957)  
Svensk bot.Tidskr., 51(1):317-43  
 Stratiotes-sjöar i Norrbotten  
 (Stratiotes lakes in Norrbotten,  
 Northern Sweden)

BA 33(11)40200. Stratiotes aloides  
 is found in 4 lakes in the parish  
 of Nederkalix. The lakes contain  
 many other eutrophic plants.  
 Chemical analyses of the water were  
 made.

:ba

F

Dvihally, Z.T. (1958) 59-9488  
Acta Univ. Szeged (Biol.), 8(4):347-59  
 Untersuchungen der selektiven  
 Lichtabsorption in Natrongewässern vom  
 Gesichtspunkt der Produktionsbiologie  
 (Investigations into the selective  
 absorption of light by soda-saturated  
 waters from the viewpoint of production  
 biology)

BA 33(11)40197. Studies were made in  
 a typically sodic region of the Great  
 Hungarian Plain to determine changes  
 in spectral composition of solar light  
 with increasing photosynthesis.

:ba

F

Nakamura, T. & 59-9491  
 H. Fujioka (1958)  
Bull.Fac.Agric.Univ.Miyazaki, 3(1-2):  
 53-60  
 (Annual investigation of the water  
 quality of the River Oyodo in  
 Miyazaki City). Ni En

BA 33(11)40205. Nutrient salts have  
 their sources in sea water & are also  
 the limiting factor of the marine  
 population. They are markedly  
 variable according to surroundings:  
 rain water, sewage, industrial  
 wastes. Authors have investigated pH,

Gerloff, J. (1958) 59-9489  
Willdenowia, 2(1):53-110  
 Das Phytoplankton des Unterlaufes  
 der Weichsel zwischen Plock und  
 Danzig (The phytoplankton of the  
 lower course of the Weichsel between  
 Plock and Danzig)

BA 33(11)40198. Shows representatives  
 of the littoral & benthic zones, as  
 well as spp. of the helio- &  
 limno-plankton. Benthos organisms  
 preponderate. Halophile spp. are  
 characteristic of the plankton.

:ba

F

59-9491  
 (Card 2)  
 kinds of plankton, Cl-ion, &  
 nutrient-salt contents at 2 stations.

:ba

MF



Anonymous (1958) 59-9493  
Tech.Rep.Robert A.Taft sanit. engng  
Cent., (W58-2):194 p.  
Oxygen relationships in streams

BA 33(11)40207. Contains proceedings of a seminar sponsored by the water supply & water pollution program of the Center in Nov. 1957. Topics incl. use of stream data in the administration of pollution abatement programs, dissolved oxygen requirements for fishes, the oxygen sag equations, measurement & calculation of stream reaeration ratio, significance of organic sludge

59-9495  
(Card 2)  
occurrence, Siluris glanis, Lampetra planeri, Lota lota, & Phoxinus phoxinus may survive.



59-9493  
(Card 2)

deposits, a report of a Thames Estuary study, mixing & diffusion of wastes in streams, effects of impoundments on oxygen resources, sampling & analytical methods in stream studies, application of stream data to waste treatment design, & the effects of algae on dissolved oxygen & biochemical oxygen demand.

Beer, S. (1959) 59-9497  
Operat.Res.Quart., 10(1):1-21  
What has cybernetics to do with operational research?

Argues that former is a true field of science for which the latter largely provides the body of techniques.

ba

F

SJH:sjh

G

Van Bommel, A.C.V. (1957) 59-9495  
Levende Nat., 60(5):109-14  
Vissoorten die unit de Nederlandse fauna dreigen te verdwijnen (Fish species on the verge of extinction in the Netherlands)

BA 33(11)40219. River regulation, construction of weirs, & water pollution have brought once abundant spp. to verge of extermination. Alosa alosa & Coregonus oxyrhynchus have already disappeared. Salmo salar, Acipenser sturio, & Chondrostoma nasus will follow. Some other of local

Moore, P.G. (1959) 59-9498  
Operat.Res.Quart., 10(1):41-8  
Some approximate statistical tests

Extends & discusses 59-9499; tests relate to difference between means of samples from two populations, & trends in sequences of observations.

SJH:sjh

G



Duckworth, W.E. & 59-9499  
J.K. Wyatt (1958)  
Operat.Res.Quart., 9:218  
Rapid statistical techniques for  
operational research workers

G

Arrow, K.J., S. Karlin 59-9502  
& H. Scarf (1958)  
Kentucky, Stanford Univ. Press, 340 p.  
Studies in the mathematical theory  
of inventory and production

A comprehensive treatise.

agh

G

Vazsonyi, A. (1958) 59-9500  
New York, J. Wiley & Sons, 474 p.  
Scientific programming in business and  
industry

Fundamentals, basic mathematics,  
production & inventory, control &  
scheduling.

:sjh

G

U.K. Operational 59-9503  
Research Society (1959)  
Operat.Res.Quart., 10(3):121-87

Contains 59-9504 to 59-9510,  
section of abstracts & reviews of  
relevant publications, & of News &  
Notes which give notices of meetings  
& conferences, activities of members  
of the Operational Research Society  
& related organizations.

SJH:ajh

E.K. (1959) 59-9501  
Operat.Res.Quart., 10(1):72-3  
Scientific programming in business and  
industry

Re 59-9500.

SJH:

G

Foster, F.G. (1959) 59-9504  
Operat.Res.Quart., 10:121-30  
A unified theory for stock, storage  
and queue control

Basic concepts are formulated of  
mathematical theory for study of  
operation of a wide class of man-  
machine systems. Queueing, stock &  
storage models are special cases of  
the general probability model which  
is described.

SJH:fgf

G

Gould, S. (1959) 59-9505

Operat.Res.Quart., 10:138-71

A method of dealing with certain non-linear allocation problems using the transportation technique

Investigation to establish a method of determining the allocation between certain enterprises of a known production requirement so as to minimize the total expense of production. Each enterprise was made up of a number of departments or services whose total expense varied non-linearly with production level.

SJH:sg

G

Grabbe, E.M., S. Ramo 59-9508

& D.E. Wooldridge (Ed.)(1959)

London, Chapman & Hall, 974 p.

Handbook of automation, computation and control (Volume I)

Divided into 5 parts: general mathematics, numerical analysis, operations research, information theory & transmission, & feedback control. Each chapter is written by a different author. Chapter on operational research, by E.L. Arnoff, is a digest of Churchman, Ackoff & Arnoff, "Introduction to Operations

Gass, S.I. (1958) 59-9506

New York, McGraw-Hill, 223 p.

Linear programming

A text-book, for graduates, or undergraduates in their last year, requires mathematical knowledge of a fairly high standard. Introductory chapter on matrices, vectors, convex sets, etc. Next 5 chapters devoted to mathematics of linear programming & simplex method. 2 further chapters deal with parametric linear programming & additional computational techniques.

:sjh

G

59-9508  
(Card 2)

Research", & has extensive bibliography. Volume 2 will deal with computers & data processing, & volume 3 with systems & components.

:sjh

G

Kay, E. (1959) 59-9507

Operat.Res.Quart., 10:174-6

Linear programming

Re 59-9506.

Kay, E. (1959) 59-9510

Operat.Res.Quart., 10:176-8

Handbook of automation, computation and control

Re 59-9508..

SJH:

G

SJH:

G

Morrow, J.E. & G.S. Posner (1957) 59-9511  
Bull. Bingham oceanogr. Coll., 16(2):155p.  
Studies in ichthyology and oceanography  
off coastal Peru

M

Dawson, C.E. (1958) 59-9514  
Wadmalaw Island, S.C., Bears Bluff  
Laboratories, 13 p.  
Preliminary report on the effects of  
closing Calibogue Sound, South  
Carolina, to shrimp trawling

M

U.S. Coast & Geodetic 59-9512  
Survey (1959)  
Washington, U.S. Govt Print. Off.  
Tide tables, high and low water  
predictions, east coast of North and  
South America, including Greenland

M

Oregon, Fish 59-9515  
Commission (1958)  
Portland, 18 p.  
Columbia River steelhead

F

Behle, W.H. (1958) 59-9513  
Salt Lake City, Univ. of Utah Press,  
203 p.  
The bird life of Great Salt Lake. The  
life history, ecology and population  
trends of the California gulls, white  
pelicans, double-crested cormorants and  
great blue herons, together with an  
account of the Bear River migratory  
bird refuge

F

Proskie, J. & 59-9516  
R.G. Gosselin (1958)  
Ottawa, 32 p.  
Analyse comptable des activités des  
pêcheurs côtiers Gaspésie, Québec,  
1949-1953 (Accountable analysis  
of the activities of fishermen along  
the coast of the Gaspé Peninsula,  
Quebec, 1949-1953)

M

Inger, R.F. (1958) 59-9517  
Fieldiana, Zool., 39(14):107-17  
 Notes on fishes of the genus  
Brachygobius

M

Lozano Cabo, F. (1959) 59-9520  
Stud.Rev.gen.Fish.Coun.Medit., (9):  
 7 p.  
 Fishing gear used in Spanish coastal  
 lagoons

CR 59-0977.

FiB:

M

Rasquin, P. (1958) 59-9518  
Bull.Amer.Mus.nat.Hist., 115(1):68 p.  
 Studies in the control of pigment cells  
 and light reactions in recent teleost  
 fishes - I. Morphology of the pineal  
 region - II. Reactions of the  
 pigmentary system to hormonal  
 stimulation

MF

Lozano Cabo, F. (1959) 59-9521  
Stud.Rev.gen.Fish.Coun.Medit., (9):  
 7 p.

Engins de pêche utilisés dans les  
 lagunes littorales espagnoles  
 (Fishing gear used in Spanish coastal  
 lagoons)

CR 59-0977.

FiB:

M

France. Service Hydrographique 59-9519  
 de la Marine (1958)  
 Paris, Imprimerie Nationale, 328 p.  
 Annuaire des marées des côtes de France  
 pour l'an 1958 (Yearbook of the  
 tides of the French coasts for the  
 year 1958)

1

Indo-Norwegian Project. 59-9522  
 Quilon-Cochin, Kerala (1959)  
 Puthenthura-Neendakara, 10 p.  
 Quarterly review, July-September,  
 1959

Incl. fisheries chapter on boat  
 building & up-keep, gear, fishing  
 experiments - catches per unit effort  
 of various spp. - fish marketing,  
 training etc.

:sjh

M



Bailey, R.M. (1959) 59-9523  
Copeia, 1959(2):119-23  
Distribution of the American cyprinid  
fish Notropis anogenus

Reviews the pattern of distribution  
of the sp. & its relations with  
similar forms.

HR:hr

F

Tyler, J.C. (1959) 59-9526  
Copeia, 1959(2):139-48  
Two new flatfishes of the genus  
Ancylopsetta from the Guiana coast

Describes A. cycloidea & A.  
kumerae spp. nov., & gives  
differentiations between Ancylopsetta  
& Gastropsetta, their distribution &  
key to their spp.

HR:hr

M

Briggs, J.C. & 59-9524  
F.H. Berry (1959)  
Copeia, 1959(2):123-33  
The Draconettidae - A review of the  
family with the description of a new  
species

Contains a key to the spp. of  
Draconetta, diagnosis, relationship,  
remarks & range of D. acanthopoma, D.  
pseudoxenica, D. xenica, & D. oregona  
sp.nov.

HR:hr

L

Myers, G.S. & 59-9527  
A. Leitão de Carvalho (1959)  
Copeia, 1959(2):148-52  
A remarkable new genus of Anostomin  
characid fishes from the upper Rio  
Xingú in Central Brazil

Describes Sartor, gen.nov., S.  
respectus, sp.nov., & considers  
relationships.

HR:hr

F

Bardach, J.E., H.E. Winn 59-9525  
& D.W. Menzel (1959)  
Copeia, 1959(2):133-9  
The role of the senses in the feeding of  
the nocturnal reef predators  
Gymnothorax moringa and G. vicinus

The 2 spp. are nocturnally active.  
Smell is used in the location of  
distant food.

HR:hr

M

Nelson, E.M. (1959) 59-9528  
Copeia, 1959(2):152-6  
The cranial anatomy of a free-  
living pomacentrid "cyclopean"

Descriptions of adult skull, gross  
& microscopic morphology of normal  
& one-eyed pomacentrids followed by  
discussion & conclusion.

HR:hr

M

Northcote, T.G. & 59-9529  
G.F. Hartman (1959)  
Copeia, 1959(2):156-8  
A case of "schooling" behavior in the  
prickly sculpin, Cottus asper  
Richardson

A study of the unusual schooling  
behaviour of the sp. & the possible  
factors causing it.

HR:hr

F

Miller, D. (1959) 59-9532  
Copeia, 1959(2):160  
A pelagic record of the snipefish,  
Macrorhamphosus scolopax (L.)  
in the Gulf of Maine

Contents as per title.

HR:hr

Myers, G.S. (1959) 59-9530  
Copeia, 1959(2):158  
A Caribbean chaetodont fish, Chaetodon  
eques Steindachner, now referred to  
Chaetodon aya Jordan

Contents as per title.

HR:hr

M

Reed, R.J. (1959) 59-9533  
Copeia, 1959(2):160-2  
Age, growth, and food of the long-  
nose dace, Rhinichthys cataractae, in  
northwestern Pennsylvania

Considers habitat, growth rate,  
sex ratio, food habits; associated  
spp., carrying capacity & density.

HR:hr

F

Steinitz, H. (1959) 59-9531  
Copeia, 1959(2):158-60  
Observations on Pterois volitans (L.)  
and its venom

Records of the effects of stinging by  
dorsal spines, & behaviour of the sp.

HR:hr

M

Bailey, R.W. (1959) 59-9534  
Copeia, 1959(2):162-3  
Parasitic langreys (Ichthyomyzon)  
from the Missouri River, Missouri and  
South Dakota

Contents as per title.

HR:hr

Thorson, T.B. (1959) 59-9535  
Copeia, 1959(2):163-5  
Tricaine methanesulfonate (I.S. 222)  
as an anesthetic for the sea lamprey,  
Petromyzon marinus

Contents as per title.

HR:hr

MF

Tinkle, D.W. (1959) 59-9538  
Copeia, 1959(2):167-70  
The relation of the fall line to the  
distribution and abundance of turtles

A study of distribution, & abundance  
of turtles, & ecological conditions  
in the southeastern US fall line.  
Particular emphasis was placed upon  
Sternotherus & emydid forms. Catch  
per unit effort below the fall line  
is 5.5 times that above.

HR:hr

F

Strahan, R. (1959) 59-9536  
Copeia, 1959(2):165-6  
Slime production in Myxine glutinosa  
Linnaeus

Contents as per title.

HR:hr

I

Woods, L.P. (1959) 59-9539  
Copeia, 1959(3):222-5  
Parahollardia schmidtii, a new  
triacanthodid fish from the Western  
Caribbean

A taxonomic description of the sp.  
with notes on its nomenclature.  
Meristic comparisons are made with the  
related spp. Hollardia hollardi &  
Johnsonina eriomma.

HR:hr

M

Springer, V.G. (1959) 59-9537  
Copeia, 1959(2):166-7  
Cypselurus luetkeni (Jordan and  
Evermann) a synonym of Cypselurus  
heterurus (Rafinesque)

Contents as per title.

HR:hr

I

Grey, M. (1959) 59-9540  
Copeia, 1959(3):225-8  
Descriptions of newly discovered  
Western Atlantic specimens of  
Diceratias bispinosus Günther and  
Paroneirodes wedli (Pietschmann)

Taxonomic descriptions of the sp.  
with notes on occurrence.

HR:hr

M

Sindermann, C.J. & 59-9541

D.F. Mairs (1959)

Copeia, 1959(3):228-32

A major blood group system in  
Atlantic sea herring

A study of erythrocyte antigens mainly  
of stocks of immature Gulf of Maine  
Clupea harengus designed to discover  
whether or not they constitute one  
homogeneous group, or whether they may  
represent several more or less discrete  
groups.

HR:hr

M

Mount, D.I. (1959) 59-9544

Copeia, 1959(3):240-3

Spawning behavior of the bluebreast  
darter, Etheostoma camurum (Cope)

Laboratory & field investigations of  
the sp.

HR:hr

F

Gibbs, R.H., Jr. (1959) 59-9542

Copeia, 1959(3):232-6

A synopsis of the postlarvae of Western  
Atlantic lizard-fishes (Synodontidae)

A synoptic key to the identification  
of postlarvae genera & spp. of the  
family.

HR:hr

M

Strasburg, D.W. (1959) 59-9545

Copeia, 1959(3):244-8

Notes on the diet and correlating  
structures of some Central Pacific  
echeneid fishes

An investigation of the dietary trends  
apparent in spp. of the genera

Rhombochirus, Remora, Phtheirichthys  
& Remoropsis.

HR:hr

M

Rofen, R.R. (1959) 59-9543

Copeia, 1959(3):237-40

A new gobioid fish of the genus  
Eviotops from the Philippines

A taxonomic description of E. storthynx  
sp.nov.

HR:hr

M

Miller, D. & 59-9546

R.R. Marak (1959)

Copeia, 1959(3):248-50

The early larval stages of the red  
hake, Urophycis chuss

Describes the sequence of early  
development & summarizes briefly the  
existing literature concerning early  
stages of the sp.

HR:hr

M



Schwartz, F.J. (1959) 59-9547  
Copeia, 1959(3):251-2  
Two eight-foot cub sharks, Carcharinus leucas (Müller and Henle), captured in Chesapeake Bay, Maryland

Contents as per title.

Lux, F.E. (1959) 59-9550  
Copeia, 1959(3):253  
A case of partial albinism in the four-spotted flounder, Hippoglossina oblonga

Contents as per title.

HR:hr

M

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M

Collins, R.A. & 59-9548  
R.E. Smith (1959)  
Copeia, 1959(3):252  
Occurrence of butterfly fish in Mississippi sound

Contents as per title.

Treviño Robinson, D. (1959) 59-9551  
Copeia, 1959(3):253-6  
The ichthyofauna of the lower Rio Grande, Texas and Mexico

Contents as per title.

HR:hr

M

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F

Caldwell, D.K. & 59-9549  
W.W. Anderson (1959)  
Copeia, 1959(3):252-3  
Offshore occurrence of larval silver mullet, Mugil curema, in the western Gulf of Mexico

Contents as per title.

Sawyer, P.J. (1959) 59-9552  
Copeia, 1959(3):256-7  
Burrowing activities of the larval lampreys

Contents as per title.

HR:hr

M

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F

Walker, W.T. (1959) 59-9553  
Copeia, 1959(3):257-9  
 Closure of the nostrils in the  
 Atlantic loggerhead and other sea  
 turtles

Contents as per title.

HR:hr

M

Littlejohn, M.J. & 59-9556  
 A.R. Main (1959)  
Copeia, 1959(3):266-70  
 Call structure in two genera  
 of Australian burrowing frogs

Contents as per title.

HR:hr

F

Woolcott, W.S. (1959) 59-9554  
Copeia, 1959(3):263  
 Notes on the eggs and young of the  
 scarlet snake, Cemophora coccinea  
 Blumenbach

Contents as per title.

HR:hr

F

Makushok, V.M. (1958) 59-9557  
Trav.Inst.zool.Acad.Sci.U.R.S.S., 25:  
 3-129  
 (The morphology and classification  
 of the northern blennioid fishes -  
 Stichaeidae, Blennioidei, Pisces).  
Ru

After a historical review, there is a  
 section on terminology followed by a  
 long portion dealing with trends of  
 specialization in the different organ  
 systems. The last whole section deals  
 with the individual groups.  
 Synonymies, historical &

Gosner, K.L. & 59-9555  
 D.A. Rossman (1959)  
Copeia, 1959(3):263-6.  
 Observations on the reproductive cycle  
 of the swamp chorus frog, Pseudacris  
nigrita

Observations on ovulation, oviposition,  
 egg complements, & morphology of eggs &  
 jelly envelopes of P.n. feriarum, P.n.  
kalmi & of a P. feriarum-triseriata  
 inter-grade population.

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F

59-9557  
 (Card 2)  
 nomenclatorial notes, & keys to  
 families, subfamilies & genera are  
 included. Thirty-three Russian & 118  
 references in 6 other languages are  
 cited in the bibliography.

:hr

M

Tonolli, V. (1958) 59-9559  
Mem.Ist.ital.Idrobiol.de Marchi, 10:  
 317-29  
 Relazione del Direttore sull'attività  
 scientifica dell'Istituto negli anni  
 1956 e 1957 (Report of the Director  
 on the scientific activity of the  
 Institute during the years 1956 & 1957)

F

Moretti, G., F.S. Gianotti 59-9562  
 & A. Giganti (1958)  
Atti 5 Giorn.vet.Prod.Pesca, 1958:  
 221-35  
 Il latterino del Lago Trasimeno e i  
 suoi parassiti (The silverside  
 of Lake Trasimeno and its parasites)

F

Moretti, G. (1958) 59-9560  
Quad.Soc.ital.Biol.sperim., Perugia,  
 21:1-230  
 Il Lago Trasimeno - Tre anni di studi  
 idrobiologici (The Lake Trasimeno  
 Three years of hydrobiological studies)

F

Viganò, A. (1958) 59-9563  
Riv.Biol., 50(4)Nuov.Ser. 10:383-93  
 Aliquote tricotterologiche nel tubo  
 digerente dei pesci di acqua dolce  
 (The aliquot of Trichoptera in the  
 digestive tube of freshwater fishes)

F

Moretti, G., F.S. Gianotti 59-9561  
 & A. Giganti (1959)  
Riv.Biol., 51(1)Nuova Ser.11:3-38  
 Il latterino (Atherina mochon Cuv.)  
 nel Trasimeno (Biometria, regime  
 dietetico, pesca e parassitismo  
 (The silverside, Atherina mochon Cuv.,  
 in Lake Trasimeno; biometrics,  
 dietetic regime, fishery and parasitism)

F

Moretti, G., L. Formicone 59-9564  
 & L. Chiarini (1958)  
Riv.Sci.nat., 49:127-35  
 Ritmo emerald nel F. Tordimo  
 (Abruzzo-Teramo) (Diurnal rhythm  
 in the Tordimo River, Abruzzi-  
 Teramo)

F

Moretti, G., F.S. Gianotti 59-9565  
 & C. Rossi (1958)  
Atti Soc.ital.Sci.nat., 97(4):281-307  
 Ritmi nictemerali dell'ossigeno  
 disciolto nelle acque preappenniniche  
 del Fiume Metauro (Marche-Pesaro)  
 (Nictemeral rhythms of oxygen dissolve  
 in the pre-Appennine waters of the  
 Metauro River; Marches-Pesaro)

F

Müller-Melchers, F.C.(1957)59-9568  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):  
 111-137

Plankton diatoms of the FCKO-IARU  
 voyage (Brazil coast). Es

A catalogue of spp. with notes on  
 occurrence & distribution.

GLK-hr

M

Marcus, E. & 59-9566  
 E. Marcus (1957)  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):3-21  
 Notes on Aplysia. Es

A taxonomic description of A. cervina  
 from the litoral of São Paulo, Brazil,  
 followed by comparative remarks on the  
 generative system of 3 spp. of the  
 genus of the Brazilian coast. A key  
 to the identification of the Brazilian  
 sea-hares is given.

GLK:hr

M

Travassos, H. & 59-9569  
 M.P. Paiva (1957)  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):  
 139-69

Lista dos Sciaenidae marinhos  
 brasileiros, contendo chave de  
 identificação e proposta de "nomes  
 vulgares oficiais" (List of  
 marine Brazilian Sciaenidae, with  
 keys to their identification and  
 proposals for standard common names).  
 En

A list of spp. & a simple key to  
 their identification is given,  
 followed by a survey of their

Vannucci, M. (1957) 59-9567  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):23-109  
 On Brazilian hydromedusae and their  
 distribution in relation to different  
 water masses. Es

Records the spp. taken in hauls made  
 from January 1954 to December 1956 at  
 different points of the Brazilian  
 coast & describes them giving their  
 world-wide distribution. Discusses  
 the distribution and association of the  
 spp.

GLK:hr

M

59-9569  
 (Card 2)

common names. A list of official  
 common names is proposed with a  
 view of stabilizing the names used  
 in the fishery statistics of the  
 country.

GLK-hr

M



Andrade, M.H. de A. & 59-9571  
C. Teixeira (1957)  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):  
171-215

Contribuição para o conhecimento das  
diatomáceas do Brasil  
(Contribution to the knowledge of the  
Brazilian diatoms). En

A check list of 54 spp. of the group  
Naviculoidae from samples collected  
between 17°-25° lat.S. The material  
examined comprises plankton, bottom,  
samples & seaweeds from which the  
diatoms were taken.

GLK:hr

M

Carvalho, J. de P. (1957) 59-9574  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):  
241-53

Sobre estádios larvares de  
Lernaeenicus longiventris Wilson -  
(Crustacea - Copepoda) (On  
larval stages of Lernaeenicus longi-  
ventris Wilson - Crustacea-Copepoda).  
En

Larval stages found in  
Xenomelaniris brasiliensis are  
described & comparison of young  
& adult appendages made. The  
resistence of the larvae was also  
considered.

GLK:hr

M

Vannucci, M. (1957) 59-9572  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):217-23  
A nova sistemática e a  
planctonologia (The new systematics  
and the planktology)

An essay on the application of the  
concepts of the new systematics to the  
study of plankton.

GLK:hr

M

Richards, F.J. (1959) 59-9575  
J.exp.Bot., 10:290-300  
A flexible growth function for  
empirical use

Application of an extended form of  
von Bertalanffy's growth function to  
plant data is considered; the equation  
has considerable flexibility, but is  
used only to supply an empirical fit.  
In order to aid the biological  
analysis of such growth data as are  
capable of representation by the  
function, general rate parameters are  
deduced which are related in a simple  
manner to its constants. Ci 571736.  
FAO fjr G

Ferrando, H.J. (1957) 59-9573  
Bol.Inst.oceanogr.S.Paulo, 8(1-2):225-40  
Hipotesis sobre productividad en el  
area bioceanografica correspondiente  
a los litorales maritimos de Argentina,  
Uruguay y sur del Brasil (Hypothesis  
on productivity in the bio-oceanographic  
area of the coasts of Argentina,  
Uruguay and southern Brazil)

Presents an hypothesis on the  
possible productivity in the coastal  
area between 33°-38° lat.S & specially  
53° long.S. A plan of study of the  
area is outlined.

GLK:hr

M

Johnson, A. (1959) 59-9576  
Malay.Nat.J., 13:99-223  
A student's guide to the ferns of  
Singapore Island

A detailed study of ferns & fern-  
allies; chapters on ecology, general  
key to identification, description  
of families & spp. & list of genera.  
Incl. aquatic ferns.

GLK:efa

FG

Juget, J. (1958) 59-9577  
Ann.Sta.cent.Hydrobiol.appl., 7:7-96  
 Recherches sur la faune de fond du  
 Léman et du Lac d'Annecy (Research  
 on the fauna in the depths of Lakes  
 Lemman and Annecy)

Reviews previous & current work; with  
 special reference to Oligochaetes &  
 chironomids. Classification & keys  
 given for these, & especially for spp.  
 of Tubificidae, Lumbriculidae;  
Limnodrilus & Ilyodrilus diagnoses.  
 Variation of macrofauna with nature of  
 sediments; oxygen reserves in the  
 depths; underwater sources; commensals  
 & parasites; seasonal variations.  
 GLK:sjh F

Batias, A. (1958) 59-9578  
Ann.Sta.cent.Hydrobiol.appl., 7:97-186  
 Le lavaret du Lac du Bourget (Coregonus  
lavaretus L.) (The "lake-trout" of  
 Bourget Lake, Coregonus lavaretus L.)

Distribution, diagnosis, morphology,  
 general ecology - reproduction,  
 incubation, nutrition, the environment,  
 length distribution, sex differences,  
 scale readings, growth, weight-length  
 relation. Section on C. bezola.

GLK:sjh F

Morgan, G.D. (1958) 59-9580  
J.sci.Labs.Denison Univ., 44(11):  
 151-202

A study of six different pond  
 stocking ratios of largemouth bass,  
Micropterus salmoides (Lacépède), and  
 bluegill, Lepomis macrochirus  
 Rafinesque; and the relation of the  
 chemical, physical and biological  
 data to pond balance and productivity

Age, growth & condition studies;  
 annulus formation; plankton,  
 vegetation & its control, weed  
 cutting effect on dissolved oxygen.

GLK:sjh F

Vivier, P. (1958) 59-9581  
Ann.Sta.cent.Hydrobiol.appl., 7:  
 239-50

Un exemple d'acclimatation ancienne:  
 les corégones des lacs du Massif  
 Central (An example of ancient  
 acclimatation: the coregonids of the  
 lakes of the Central Massif)

Reviews introductions & natural  
 spread of Coregonus spp. in France  
 in historic times. Special reference  
 to Neufchâtel, Lac Chauvet, Lac  
 d'Issarlès, Lake Constance.

GLK:sjh F

Plagnat, F. & 59-9579  
 M. Nisbet (1958)  
Ann.Sta.cent.Hydrobiol.appl., 7:187-237  
 La pollution du Rhône par les vidanges  
 du lac de retenue du barrage  
 hydroélectrique de Verbois (Suisse)  
 recevant les égouts de l'agglomération  
 genevoise (The pollution of the  
 Rhône by the emptying of the reservoir  
 of the Verbois, Swiss, hydroelectric  
 dam receiving the run-off of the  
 Geneva range)

Reports detailed results of studies  
 1951, 1954 & 1956; maps, bibliography.  
 Effect on fish & fish culture, incl.  
 short introduction by P. Vivier.  
 GLK:sjh F

Lefèvre, M. (1958) 59-9582  
Ann.Sta.cent.Hydrobiol.appl., 7:  
 251-47

De l'influence des matières  
 organiques sur la nature et  
 l'abondance du plancton (On the  
 influence of organic matter on the  
 nature and abundance of plankton)

Study of Berly & Rondeau ponds. Mode  
 of action of organic materials in  
 fish culture.

GLK:sjh F

Nisbet, R. (1958) 59-9583  
Ann.Sta.cent.Hydrobiol.appl., 7:269-84  
 Aperçu chimique sur quelques ruisseaux  
 des Vosges: le Rabodeau et ses  
 affluents (Chemical survey of some  
 streams of the Vosges: the Rabodeau  
 and its tributaries)

Data tabulated for this area of  
 France in 1955-57.

GLK:sjh

F

Omura, H. (1953) 59-9586  
Sci.Rep.Wholes Res.Inst., Tokyo, (13)  
 1-52  
 North Pacific right whale

A detailed account of a study of two  
Eubalaena of Japan completed by  
 other observations covering the  
 following items: recent occurrence  
 & migration size & weight, external  
 characters, baleen & food,  
 reproductive organs & osteology.

LAC:hr

M

Wood, E.M. (1958) 59-9584  
Ann.Sta.cent.Hydrobiol.appl., 7:285-99  
 Fixation du radioiode par les oeufs et  
 alevins de quelques salmonidés (Salmo  
fario L., Salmo irideus GIB., Salmo  
salar L.) (Fixation of radioiodine  
 by the eggs & fry of some salmonids -  
Salmo fario L., S. irideus GIB., S.  
salar L.)

Experiments particularly on the  
 absorption of water by eggs on  
 spawning & in relation to thyroid  
 activity.

GLK:sjh

F

Nishiwaki, H. & 59-9587  
 C. Handa (1958) 59  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
 85-96

Killer whales caught in the coastal  
 waters off Japan for recent 10 years

A report on biological composition,  
 reproduction, food & utilization based  
 on catch records.

FAC:hr

M

Griffe, J. (1958) 59-9585  
Ann.Sta.cent.Hydrobiol.appl., 7:301-27  
 Note sur la pollution des cours d'eau  
 par des fabriques de pâte de bois  
 feuillus (Note on the pollution of  
 water courses by wood pulp mills)

Analysis of sulphite & other residues  
 of paper factories on the Seine;  
 chemistry & biology.

GLK:sjh

F

Ohsumi, S.K., H. Nishiwaki 59-9588  
 & T. Hibiya (1958)  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
 97-133

Growth of fin whale in the Northern  
 Pacific

Describes growth of fetuses, body  
 length at birth, growth of calf, body  
 length & age at sexual & physical  
 maturity, & total growth of  
Balaenoptera physalus during 1952 to  
 1957.

FAC:hr

M



Nishiwaki, M., T. Kibiya 59-9589  
& S.K. Ohsumi (1958)  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
135-53

Age study of sperm whale based on  
reading of tooth laminations

A study of age composition using  
maxillary & mandibular teeth as age  
characters. Method of lamination  
reading & characteristic of the teeth  
are considered & the following  
relations: body length, weight of  
tests & number of laminations in the  
teeth; number of ovulations, body

Fujino, K. (1958) 59-9592  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
171-84

On the serological constitution of fin  
whale - III. Human B blood group  
substances in erythrocytes and some  
notes on anti-fin Ju specific  
antibodies

Reports on a new B partial antigen  
in fin whale cells which has simpler  
structure than the already-known BIII  
in guinea pig cells, & notes some  
observations on the anti-fin Ju normal  
antibodies in the sera of immune  
animals & the appearance of immune

59-9589  
(Card 2)  
length & number of laminations;  
number of laminations in the teeth &  
body length.

59-9592  
(Card 2)  
antibody into egg-white of a fowl.

FAO:hr

M

FAO:hr

M

Nishiwaki, M., T. Ichihara 59-9591  
& S.K. Ohsumi (1958)  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
155-69

Age studies of fin whale based on ear  
plug

Examines ear plugs collected in the  
Antarctic season 1956-57 & in the  
Northern Pacific season 1956 & 1957.  
Laminations of ear plugs are  
considered chiefly against the  
numbers of total ovulations but  
variation of core length, examination  
& weight of testis & lamination &  
body length are also studied.

FAO:hr

M

Nemoto, T. (1958) 59-9594  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
185-91

Cocconeis diatoms infected on whales  
in the Antarctic

Cocconeis ceticola is mostly common  
on fin, sei & blue whales, but it is  
rarely found on humpbacks & sperms.  
A new form C. ceticola f.  
subconstricta is described from blue  
whales in the Antarctic.

FAO:hr

M



Nemoto, T. & 59-9595  
K. Nasu (1958)  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
193-9

Thysanoëssa macrura as a food of baleen whales in the Antarctic

T. macrura was found to be staple food of baleen whales. It supposedly is distributed in waters of higher temperature & salinity than Euphausia superba.

FAO:hr

Nasu, K. (1958) 59-9598  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
211-2

Deformed lower jaw of sperm whale

Records of catches of deformed whales by Japanese whalers.

FAO:hr

Ichihara, T. (1958) 59-9596  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
201-5

Gray whale observed in the Bering Sea

A note on distribution, migration & habits of Rhachianectes on the American & Japanese coasts of the Pacific with remarks on distribution of other whales.

FAO:hr

M

Omura, H. (1958) 59-9599  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
213-4

Note on embryo of Baird's beaked whale

Records of embryos of Berardius bairdii in Japanese waters, the 1st 12mm from head to caudal flexure showed an exceptional pairing taken place in summer; the 2nd was 242cm long.

FAO:hr

M

Ohsumi, S.K. (1958) 59-9597  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
207-9

A descendant of Moby Dick, or a white sperm whale

A catch record of an albino sperm whale in the adjacent waters of Japan, Lat. 42°24.5'N, Long. 148°52.5'E.

FAO:hr

M

Uda, M. & 59-9600  
F. Suzuki (1958)  
Sci.Rep. Whales Res.Inst., Tokyo, (13)  
215-29

Studies of the relation between the whaling grounds and the hydrographic conditions - III. The averaged conditions of the whaling grounds and their trends of variation during 1946-55

An analysis of whaling grounds & whale catches in the adjacent waters of Japan, probable causes of variation of the grounds, & their optimum water temperature.

FAO:hr

M

Seki, Y. (1958) 59-9601  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
231-51

Observations on the spinal cord of the right whale

Macroscopical & microscopical observations of the spinal cord of a female Eubalaena glacialis captured off Kinkazon.

FAO:hr

M

Karohji, K. (1959) 59-9604  
Bull.Fac.Fish.Hokkaido, 9:259-67  
Report from the OSHIRO MARU on oceanographic and biological investigations in the Bering Sea and northern North Pacific in the summer of 1955 - IV. Diatom associations as observed by underway samplings

Oceanic & neritic populations, characteristic spp. of warm & cold masses; charts & tables of data.

FAC:sjh

M

Kamiya, T. (1958) 59-9602  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
253-67

How to count the renculi of the cetacean kidneys, with special regard to the kidney of the right whale

Countings of renculi of 11 spp. of whales specially the Balaena glacialis by a new method consisting of classification of lobulation by external appearance & classification by counting papillae of the renculi.

FAC:hr

L

Maeda, T. (1959) 59-9605  
Bull.Fac.Fish.Hokkaido, 9:268-82  
(Study on the salmon fishing grounds in the North Pacific Ocean).  
Ni En

Oceanography, May&July 1956.  
Seasonal appearance & movements of Oncorhynchus spp. & red & dog salmons.

FAC:sjh

M

Hosokawa, H. & 59-9603  
T. Sekino (1958)  
Sci.Rep.Wholes Res.Inst., Tokyo, (13):  
269-301

Comparison of the size of cells and some histological formations between whales and man

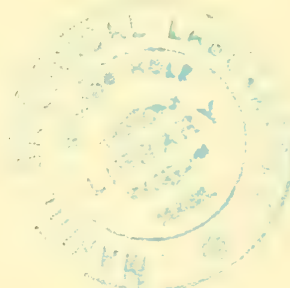
Statistical comparison of several kinds of cells & histological structures of whales, men, & other mammals. The problem of cell size in general is discussed specially regarding some different types of cells.

FAO:hr

M

Cishi, K. et al. (1959) 59-9606  
Bull.Fac.Fish.Hokkaido, 9:283-98  
(Quality of edible seaweeds belonging to the Laminariaceae - I. Evaluation of the quality). Ni En

FAC:x



Murata, K. et al. (1959) 59-9607  
Bull.Fac.Fish.Hokkaido, 9:289-305.  
 (Quality of edible seaweeds belonging  
 to the Laminariaceae - 2. Studies on  
 the quality of Laminaria japonica).  
Ni En

FAO:x

Sasa, S. (1959) 59-9610  
Bull.Fac.Fish.Hokkaido, 9:329-64  
 Chemical studies on herring meat (2) -  
 VIII. Chemical composition of the  
 protein of herring meat

FAO:x

Oguro, M. (1959) 59-9608  
Bull.Fac.Fish.Hokkaido, 9:306-10  
 (Studies on the decomposition of  
 alginic acid - Preliminary report).  
Ni En

FAO:x

Rand, R... (1959) 59-9611  
Invest.Rep.Div.Fish.S.Afr., (34).  
 769-840  
 The cape fur seal (Arctocephalus  
pusillus) - Distribution, abundance  
 and feeding habits off the south  
 western coast of the Cape Province

(issued as supplement to Comm.Industr.  
 17(12), 1959). Also deals with  
 parasites, seals as predators on  
 commercial fishes - especially  
 massbanker & pilchard, rocklobster  
 & line-caught game fishes. Relation  
 with guano industry. Size & growth;

Motohiro, T., S. Fukushima 59-9609  
 & E. Tanikawa (1959)  
Bull.Fac.Fish.Hokkaido, 9:311-28  
 (Studies on the complete utilization  
 of squid (Commastrephes sloani  
pacificus) - XVIII. On the manufacture  
 of salted dried squid meat).  
Ni En

FAO:x

59-9611  
 (ard 2)  
 tagging experiments; census -  
 pelagic & on land.

FAO:sjh

M



Jhingran, V.G. (1959) 59-9613  
Proc.nat.Inst.Sci.India, 25B:107-37  
 Studies on the age and growth of  
Cirrhina mrigala (Ham.) from the  
 River Ganga

Growth rates from scales & by Petersen  
 method, relations of body weight,  
 total length & girth for purpose of  
 stock assessment & possible need for  
 mesh regulation.

FAO:sjh

M

Fryer, G. (1959) 59-9616  
Proc.zool.Soc.Lond., 132:517-50  
 A report on the parasitic copepoda  
 and brachiura of the fishes of Lake  
 Bangweulu (Northern Rhodesia)

Ill. description of spp. of  
Lamproglana, Ergasilus, Lernaea,  
Afrolernaea, Argulus, Dolops &  
Chonopeltis on Tylochromis, Clarias,  
Synodontis, Gnathonemus, Tilapia,  
Hydrocyon, Labeo, Chrysichthys,  
Sargochromis, Mormyrops, Marcusenius,  
Heterobranchus & some spp. of other  
 fish genera.

FAO:sjh

F

Craig, R.E. (1959) 59-9614  
Mar.Res., (2):30 p.  
 Hydrography of Scottish coastal  
 waters

A compilation & general review of  
 several years' data; gives charts of  
 salinity & temperature distributions by  
 months; describes water movements by  
 areas; situation in sea lochs &  
 estuaries. Appendices give conversion  
 table for salinity to D.C.I. -  
 Reprinted from Ann.biol., 10:87, &  
 notes on computation of estuarine  
 circulation.

FAO:sjh

M

Pike, R.B. & 59-9617  
 D.I. Williamson (1959)  
Proc.zool.Soc.Lond., 132:551-67  
 Observations on the distribution and  
 breeding of British hermit crabs and  
 the stone crab (Crustacea: Diogenidae,  
 Paguridae and Lithodidae)

Records & bionomics of Diogenes,  
Pagurus, Anapagurus, Lithodes &  
Catapaguroides; experiments with  
 reference to Clyde Area, Irish Sea,  
 Channel. Evidence of distributional  
 changes in past 50 years.

FAO:sjh

M

IHB (1959) 59-9615  
Int.hydr.Bull., (10):283-306

Contains notes on activities of the  
 Bureau & information on charts,  
 sailing directions, lights, tides &  
 currents, work carried out & projected  
 & new charts & new editions of charts.

FAO:glk

M

Barnes, H. & 59-9618  
 E.S. Reese (1959)  
Proc.zool.Soc.Lond., 132:569-85  
 Feeding in the pedunculate cirripede  
Pollicipes polymerus J.B. Sowerby

Descriptions of cirri & mouth parts,  
 & ill. of their mode of function in  
 this barnacle from Pacific coast of  
 N. America. Field & laboratory  
 observations show difference from  
 other barnacles in absence of  
 rhythmic movements of cirral net.

FAO:sjh

M



Marshall, A.J. & 59-9619  
 J.D. Roberts (1959)  
Proc.zool.Soc.Lond., 132:617-25  
 The breeding biology of equatorial  
 vertebrates: reproduction of cormorants  
 (Phalacrocoracidae) at latitude 0°20'N

Incl. reference to feeding on  
Haplochromis, & also Tilapia,  
Mormyrus & Bagrus in Lake Victoria &  
 Nile headwaters.

FAO:sjh

F

Green, J. (1959) 59-9622  
Proc.zool.Soc.Lond., 132:647-54  
Sphaeronella serolis Monod, and a new  
 species of Rhizothina, copepods  
 parasitic on the isopod Serolis  
bromleyana Suhm (Crustacea)

Ill. taxonomic descriptions. The  
 isopod is from area between Chatham  
 Island & New Zealand.

FAO:sjh

M

Mauchline, J. (1959) 59-9620  
Proc.zool.Soc.Lond., 132:627-39  
 The development of the Euphausiacea  
 (Crustacea) especially that of  
Meganyctiphanes norvegica

General review; nomenclature of  
 euphausiid larvae; study of samples  
 from Clyde Sea area.

FAO:sjh

M

Ellis, L.G. (Comp.) (1959) 59-9623  
Zool.Rec., 93(19):21 p.  
 List of new generic and subgeneric  
 names recorded in volume 93, year  
 1956

Alphabetic list of 2042 new names,  
 indicating author, phylum, &  
 reference with the volume. Incl. 69  
 fish names, 84 crustacea, 8  
 echinoderms, 51 coelenterates, 153  
 molluscs, 9 porifera, 4 protochordates,  
 etc.

FAO:sjh

MF

Hewer, H.R. & 59-9621  
 K.M. Backhouse (1959)  
Proc.zool.Soc.Lond., 132:641-5  
 Field identification of bulls and cows  
 of the grey seal, Halichoerus grypus  
 Fab.

Ill. descriptions of colour tone  
 criterion for sex determination & its  
 application to observation of head &  
 neck, back, belly & flippers.  
 Observations on colonies round British  
 Isles.

FAO:sjh

M

Naegelé, A. (1959) 59-9624  
Bull.Inst.franç.Afr.naire, 21:1177-94  
 Note préliminaire sur la flore et la  
 végétation du cordon littoral ou  
 avant-dune au Sénégal (Preliminary  
 note on the flora and vegetation of  
 the coast of Senegal in front of the  
 dunes)

A summary of observations on the  
 flora of the beaches between Dakar &  
 Joal.

FAO:hr

M

Chappuis, P.A. (1959) 59-9625  
Bull.Inst.franç.Afr.noire, 21:1211-5  
 Deux Parastenocaris des sables du  
 Niger (Two Parastenocaris of the  
 sands of the Niger)

Taxonomic descriptions & P. monodi &  
P. nigerianus n.sp..

FAO:hr

F

Daget, J. (1959) 59-9628  
Bull.Inst.franç.Afr.noire, 21:1275-303  
 Note sur les Distichodus (Poissons  
 characiformes) de l'Ouest africain  
 (Notes on the Distichodus,  
 characiforms, of West Africa)

A study of morphology & coloration,  
 geographical distribution, ecology,  
 anatomy, & osteology of D. brevi-  
rinnis, D. rostratus, & D. engy-  
cephalus which are compared with  
Paradistichodus.

FAO:hr

F

Watts, J.C.D. (1959) 59-9626  
Bull.Inst.franç.Afr.noire, 21:1237-52  
 Some observations on the marking of  
 demersal fish in the Sierra Leone  
 River estuary

Results of fish marking experiments  
 carried out on the more common  
 demersal spp. with observations on  
 marking mortality & marking rate,  
 retention of the marks, recoveries &  
 growth rate of Drepane africana.

FAO:hr

MF

Le Danois, Y. (1959) 59-9629  
Bull.Inst.franç.Afr.noire, 21:1304-25  
 Adaptations morphologiques et  
 biologiques des poissons les massifs  
 coralliens (Morphological and  
 biological adaptations of fishes of  
 the coral formations)

A list of spp. classified according  
 to their habits, followed by  
 classifications by morphological  
 feeding & tegument.

FAO:hr

M

Marchal, E. (1959) 59-9627  
Bull.Inst.franç.Afr.noire, 21:1251-14  
 Observations sur quelques Neothunnus  
albacora (Lowe) capturés au large des  
 côtes de Guinée (Observations on  
 some Neothunnus albacora (Lowe) caught  
 off the coast of Guinea)

Gives dates, localities of catches,  
 temperature & salinities, morphometric  
 measurements & meristic counts, & data  
 on growth & spawning.

FAO:hr

M

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Bull.Inst.franç.Afr.noire, 21:1326-35  
 Notes d'ichtyologie ouest-africaine -  
 XXV. Description d'une Mobula de  
 grande taille, à aiguillon caudal, de  
 Côte d'Ivoire Mobula rancureli, sp.  
 nov. (1) (West African ichthyo-  
 logical notes - XXV. Description of  
 a Mobula of large size and caudal  
 spine of the Ivory Coast: Mobula  
rancureli, sp. nov.)

Morphometric measurements &  
 morphological description.

FAO:hr

M

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 & S. Dzieduszycka. (1959)  
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 Contribution à l'étude des batraciens  
 de l'Ouest africain - X. Les formes  
 larvaires de Cryptothylax greshoffi,  
Leptopelis notatus et Ptychadena  
taeniocelis (Contribution to the  
 study of batrachians of West Africa -  
 X. Larval forms of Cryptothylax  
greshoffi, Leptopelis notatus and  
Ptychadena taeniocelis)

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FAO:hr

F

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 1-11

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diversifolia Gray) as green manure  
 in Indonesian carp ponds

Published CR 59-7018.

SJH:

F

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 Rapport sur les petits cétacés ouest-  
 africains - Résultats des recherches  
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 mois de mars 1959 (Report on the  
 small cetaceans of West Africa -  
 Results of the investigations on those  
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A review of the present knowledge on  
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FAO:hr

M

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 13-34

Experiments on different stocking  
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carpio L.) in nursing ponds

Published CR 59-7019.

SJH:

F

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 FAO Regional Office, Bangkok, Thailand,  
 218 p.  
 Proceedings - 7th session, Bandung,  
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Contains technical papers 59-9634 to  
 59-9668 & symposium papers 59-9669 to  
 59-9676.

SJH:sjh

MF

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 K. Nakamura (1959)  
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 35-42

Weed control in farm pond and  
 experiment by stocking grass carp

SJH:

F



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 H. Hirata (1959)  
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 be controlled in fish culture  
 Ab 59-7011.

SJH: F

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 Ab 59-7015.

SJH: MF

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 Bangos nursery ponds  
 Ab 59-7013.

SJH: MF

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 Studies on food and feeding habits of  
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 Ab 59-7017.

SJH: F

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 Villamater & H. Angeles (1959)  
Proc. Indo-Pacif. Fish. Coun., 7(2-3):44  
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 fry, Chanos chanos (Forsk.)  
 Abstr. only.

SJH: MF

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 Some notes on a tendipedide larva  
 of the Plumosus-type from Java  
 Ab 59-7020.

SJH: F



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& M. Tanizaki (1959)  
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Abstr. only.

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fishery problems of Papua and Guinea  
  
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SJH:

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SJH

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Bengal (India)  
  
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of Malaya)  
  
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of the Pacific tunas  
  
Published CR 59-7012.

SJH:

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SJH:

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A note on the difference of the basic  
organic production between the seas  
of low and high latitudes

Abstr. only.

SJH:

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CR 60-C485.

SJH:

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Ab 59-7028.

SJH:

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77-81

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SJH:

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67-71  
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MF

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an ultra-sonic fish finder

Abstr. only.

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M

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Comparison of fishing efficiency  
between a) longline and "rawai" (Prawe),  
b) trawl and "dogol", c) various types  
of "pajang"

Abstr. only.

SJH:

M

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Proc. Indo-Pacif. Fish. Coun., 7(2-3):85  
A preliminary account of the recent  
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Bombay waters using small vessels

Abstr. only.

SJH:

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Indonesia

Abstr. only.

SJH:

M

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SJH:

M

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Improvement of keeping quality of  
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Abstr. only.

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SJH:x

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SJH:x

SJH:x

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Recent work on fisheries food technology  
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Mitra, G.N. (1959) 59-9666  
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in Orissa

Abstr. only.

SJH:x

SJH:x



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An experiment in the organization of  
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Lake

Abstr. only.

SJH:x

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from the lowlands of the Solo River

CR 584164.

SJH:

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industry of Kuala Kedah

Abstr. only.

SJH:x

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V.E. Davison (1959)  
Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
167-71  
Food-fish farming in the United  
States of America

SJH:

F

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Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
119-62

Fish culture on paddy fields in  
Indonesia

Published CR 59-7004.

SJH:

F

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& M. Tamakawa (1959)  
Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
173-81

A preliminary experiment on  
agricultural insecticides and paddy-  
cum-fish culture

SJH:

F

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Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
183-5

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its role in rural economy in Orissa

Published CR 59-7006.

SJH:

F

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207-13

Quelques essais de rizipisciculture au  
Sud-Viet-Nam (Some trials of rice  
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Published CR 59-7009.

SJH:

F

Pillay, T.V.R. & 59-9674  
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187-92

Observations on the culture of  
brackishwater fishes in paddy fields  
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Published CR 59-7007.

SJH:

MF

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Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
215-8

Report on the symposium on fish  
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SJH:

F

FAO. Fisheries Division. 59-9675  
Biology Branch (1959)  
Proc. Indo-Pacif. Fish. Coun., 7(2-3):  
193-206

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preliminary review and annotated  
bibliography

SJH:

MF

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Woods Hole Oceanographic Institution,  
Woods Hole, Mass., November 9, 2 p.  
[Circular letter]

A newsletter listing & discussing tag  
recaptures of marlin, sailfish &  
bluefin tuna, locality & date of  
tagging & of recapture, type of tag.

FiB:sjh

M

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Bull.Tokai reg.Fish.Res.Lab., (23):1-11  
 Plankton diatoms in western Aleutian  
 waters in the summer, 1953

Spp. lists, quantities, geographic  
 distribution, from material collected  
 at 43 stations N of 46°N, & 9 stations  
 on way to & from Japan, by TENYO MARU.

FiB:sjh

M

Takayama, S., Y. 59-9682  
 Shimozaki & K. Kanna (1959)  
Bull.Tokai reg.Fish.Res.Lab., (23):  
 39-49

(Studies on the effects of net  
 preservatives - I. Preserving effects  
 dependent on conditions applying a  
 commercial copper naphthenate to  
 twine). Ni En

FiB:x

Hirano, T. (1959) 59-9680  
Bull.Tokai reg.Fish.Res.Lab., (23):  
 13-24

(On the salinity of a small inlet  
 connected with a bay by a channel).

Ni En

Hydrographic survey in 1957 of  
 Nagashima Bay & Enoura Inlet. Relations  
 of conditions here, which are  
 determined largely by rainfall &  
 freshwater inflow, to conditions needed  
 for culture of egg pearl oyster.

FiB:sjh

MF

Matsumoto, J.J. (1959) 59-9683  
Bull.Tokai reg.Fish.Res.Lab., (23):  
 51-63

Studies on muscle proteins of the  
 squid. Ni

FiB:x

Kawada, S. & 59-9681  
 C. Yoshimuta (1959)  
Bull.Tokai reg.Fish.Res.Lab., (23):  
 25-37

(Fundamental study of the detection of  
 fish by supersonic wave - II.  
 Supersonic reflection coefficient of  
 fishing net). Ni En

Analytical treatment of results of  
 tank experiments & field tests, to  
 measure reflexion from netting, glass  
 floats, frame, pieces, etc.;  
 particular attention to effect of mesh  
 size, cord diameter, angle of netting,  
 & its saturation.

FiB:sjh

M

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Bull.Tokai reg.Fish.Res.Lab., (23):  
 65-91

(Studies of preservation of marine  
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 IV. Effect of nitrofurans compounds on  
 the keeping quality of raw fish and  
 shellfish). Ni En

FiB:x

<p>Swarup, H. &amp; D.K. Belsare (1959)  <u>Curr.Sci.</u>, 28:369          Thyroid gland in Ophicephalidae (Actinopterygii, Percomorpha)</p> <p>Identifies the "sub-pharyngeal sinus", described in <u>Ophiocephalus striatus</u> by Das, S.M. &amp; D.B. Saxena (1954), <u>Curr.Sci.</u>, 23(4):127 &amp; (1956) <u>Copeia</u> 1956(2) 100, as the thyroid gland. In this family, &amp; also in <u>Galeichthyes</u>, <u>Gymnarchus</u>, <u>Thunnus</u> &amp; <u>Sparidae</u>, 580999, it is enclosed by capsular wall. Compact gland may be associated with air-breathing habit.</p> <p>FAO:sjh MF</p>	<p>Jeon-Jang, J. &amp; F. Cheng-Yi (1959)  <u>Sci.sinica</u>, 8:910-20          Advancement of geophysical sciences in China 1949-1959</p> <p>Comprehensive review; incl. section on physical oceanography - tidal waves, ocean waves, hydrography of seas round China; &amp; also deals with maritime meteorology &amp; climatology &amp; general circulation.</p> <p>FAO:sjh M</p>
<p>Balasubrahmanyam, K. (1959) 59-9686  <u>Curr.Sci.</u>, 28:371-2          Occurrence of <u>Glandiceps</u> sp. and <u>Saccoglossus</u> sp. (Enteropneusta) from the inshore waters at Porto Novo</p> <p>Tornaria larvae are common in plankton of Bay of Bengal, but adults only recently overaged near shore at 10 fathoms.</p> <p>FAO:sjh M</p>	<p>Coching, C. (1959) 59-9689  <u>Sci.sinica</u>, 8:887-909          Scientific expeditions undertaken by Academia Sinica in recent years</p> <p>A detailed review, incl. the joint Chinese-USSR survey of the Amur Basin, started in 1956 &amp; which incl. ichthyological &amp; aquatic resource appraisal; other general studies of water basins; chapter on exploration of littoral seas, incl. institutions founded, their staff, facilities, &amp; activities. Work of research vessel VENUS.</p> <p>FAO:sjh MF</p>
<p>Mahadevan, P.R. (1959) 59-9687  <u>Curr.Sci.</u>, 28:377          On the peculiarity in the conjugation of <u>Spirogyra punctulata</u> Jao</p> <p>Ill. description of formation of triploid zoospores in material from an Assam stream.</p> <p>FAO:sjh F</p>	<p>Bond, R.I. &amp; J.C. Medcof (1958) 59-9690  <u>Canad.med.Ass.J.</u>, 79:19-24          Epidemic shellfish poisoning in New Brunswick, 1957</p> <p>(issued as: <u>Stud.Stas Fish.Res.Bd Can.</u> 1958(318) ). Case histories, comparison of 1945 &amp; 1957 epidemics, management &amp; public education. Causes were <u>Mya</u> &amp; <u>Spisula</u> in Bay of Fundy in June.</p> <p>FAO:sjh M</p>



Sergeant, D.E. (1958) 59-9691  
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Dolphins in Newfoundland waters

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1958(519) ). Delphinus delphis  
recorded from southern edge of the  
Grand Bank, & from Flemish Cap, off  
Newfoundland, in late July & August.  
Records extend the known distribution  
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Atlantic in summer.

FAO:des

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and petrology of some marine bottom  
samples off the coast of Peru and  
Chile

(issued as: Coll.Repr.Woods Hole  
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D.R. Idler (1959)  
J.Amer.chem.Soc., 81:1-5  
Marine sterols - V. Isolation of  
7,24(28)-Ergostadien-3<sup>β</sup>-ol from  
starfish

(issued as: Stud.Stas Fish.Res.Bd Can.,  
1958(546) ). Isolated by chromato-  
graphic separation of azoyl esters  
prepared from the sterols of Pisaster  
ochraceus, NE Pacific sp.

FAO:sjh

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Te Punga, M.T. (1958) 59-9695  
N.Z.J.Geol.Geophys., 1(1):92  
Evidence for a low sea-level 9900  
years ago

M

Scott, D.M. (1959) 59-9693  
Canad.Fld Nat., 73(1):15-20  
Observations on marine birds off  
southwestern Nova Scotia

(issued as: Stud.Stas Fish.Res.Bd Can.,  
1958(548) ).

Leamy, M.L. (1958) 59-9696  
N.Z.J.Geol.Geophys., 1(1):95  
Pleistocene shorelines at Porirua  
Harbour, near Wellington, New Zealand

FAO:

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M

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 Bruges, 357 p.  
 La pêche maritime belge - Etude économique (The marine fishery of Belgium - An economic study)

A study of the structure & problems of marine fisheries from catches to distribution & consumption. Describes the present situation & possibilities of the Belgian fisheries in the light of international commitments. The fisheries industry & its relation to Benelux & the European Economic Community is considered.

FAO:hr

M

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Annu.Rev.Microbiol., 13:97-24  
 Physiology and development of lower fungi (Phycomycetes)

Review of research on these aquatic fungi, with particular reference to their reproduction.

FAO:sjh

F

Clifton, C.E., S. Raffel & M.P. Starr (Ed.)(1959) 59-9698  
Annu.Rev.Microbiol., 13:553 p.

Contains 21 articles by various authors, each with bibliography. Indexes to subjects & authors cited. Incl. 59-9699 to 59-9703.

FAO:sjh

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Farber, L. (1959) 59-9701  
Annu.Rev.Microbiol., 13:125-40  
 Antibiotics in food preservation

Incl. sections on fish & shellfish preservation.

FAO:sjh

MF

Elliott, A.M. (1959) 59-9699  
Annu.Rev.Microbiol., 13:79-96  
 Biology of Tetrahymena.

Comprehensive review of studies of this freshwater ciliate protozoan, with special reference to its genetics, nutrition, metabolism & effects of irradiation.

FAO:sjh

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Annu.Rev.Microbiol., 13:297-312  
 Unicellular clocks

Review of work on biological rhythms, with particular reference to Euglena, Gonyaulax, Paramecium, Noctiluca, Ceratium, Gymnodinium, Peridinium, Oedogonium, Uca & spp. of other genera. Field & laboratory experiments. Types of endogenous rhythms & their causes.

FAO:sjh

M

Postgate, J. (1959) 59-9703  
Annu.Rev.Microbiol., 13:505-20  
Sulphate reduction by bacteria

General review; reference to  
Desulfovibrio & other genera; list of  
economic activities incl. consideration  
of recycling of bound phosphate in  
inland waters, of question of formation  
of sulphate-deficient waters, water  
pollution causing mortality of sea fish  
or damage to rice-fields.

FAO:sjh

MF

Elling, C.H. & 59-9706  
H.L. Raymond (1959)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(299):26 p.  
Fishway capacity experiment, 1956

Describes preliminary tests with  
salmonids on the Columbia River to  
determine the specific capacity of a  
prototype overfall fishway & to note  
factors which may influence this  
capacity.

WAD:wad

MF

Hewitt, B.R. (1959) 59-9704  
Physiol.Plant., 12:452-5  
Glucose assimilation in normal and  
manganese deficient Chlorella cells

Normal & manganese deficient Chlorella  
cells were grown autotrophically, then  
glucose was added to the medium & the  
cells grown mixo- & heterotrophically.

FAO:brh

F

Long, C.W. (1959) 59-9707  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(300):9 p.  
Passage of salmonoids through a  
darkened fishway

Describes an experiment to determine  
the comparative rates of ascent of  
Salmo gairdneri through a fishway  
when darkened & when lighted.

WAD:wad

MF

Maxfield, G.H., K.L. Liscom 59-9705  
& R.H. Lander (1959)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(298):15 p.  
Leading adult squawfish (Ptychocheilus  
oregonensis) within an electric field

Describes experiments to determine the  
optimum values of potential, pulse  
frequency & pulse duration for leading  
adults within an electrical array, &  
the significance of direction of  
movement. Part of a program to reduce  
predation of squawfish on released  
fertilizing Pacific salmon.

WAD:wad

MF

Lander, R.H. (1959) 59-9708  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(301):5 p.  
The problem of fishway capacity

Proposes a rational leading to a  
rough model for evaluating the  
internal capacity of a fishway.

WAD:wad

G



Lennon, R.E. & 59-9709  
P.S. Parker (1959)  
Spec.sci.Rep.U.S.Fish Wildl.Serv.,  
(306):22 p.  
The reclamation of Indian and Abrams  
creeks; Great Smoky Mountains National  
Park

Detailed description of the methods  
used in elimination of undesirable fish,  
incl. techniques for estimating  
dilution & velocity of toxicant,  
detoxification - of rotenone -, etc.  
Describes restocking & results.

WAD:wad

F

Snieszko, S.F., C... Dunbar 59-9712  
& G.L. Bullock (1959)  
Progr.Fish-Cult., 21:111-6  
Resistance to ulcer disease and  
furunculosis in eastern brook trout,  
Salvelinus fontinalis

Describes methods & results of  
experiments using strains from  
different hatcheries.

GLK:wad

F

LesVeaux, J.F. (1959) 59-9710  
Progr.Fish-Cult., 21:99-110  
Summary report of survey to evaluate  
the need for specific fish toxicants  
in sport fishing waters

Describes returns from a questionnaire  
sent to the States - USA - Puerto Rico  
& TVA.

GLK:wad

FG

Sneed, K.E. & 59-9713  
H.P. Clemens (1959)  
Progr.Fish-Cult., 21:117-20  
The use of human chorionic gonado-  
trophin to spawn warm-water fishes

Describes experiments establishing  
methods for spawning Ictalurus  
punctatus, Carassius auratus &  
Pomoxis annularis.

GLK:wad

F

Anonymous (1959) 59-9711  
Progr.Fish-Cult., 21:110  
/No title/

Note on testing of various ails used  
to make gelatin capsules containing  
calcium carbide attractive to  
undesirable bottom-feeding fish.

GLK:wad

F

Anonymous (1959) 59-9714  
Progr.Fish-Cult., 21:120  
Material desired for research on  
fungus

GLK:x



Mullan, J.W. (1959) 59-9715  
Progr.Fish-Cult., 21:121-30  
Observations on three reclaimed trout  
ponds in Massachusetts

Presents the "case histories" of ponds  
treated with rotenone to eliminate  
undesirable fish & then restocked with  
trout.

GLK:wad

F

Corson, B.W. (1959) 59-9718  
Progr.Fish-Cult., 21:134  
Jaw tags and sexual dimorphism in  
mature rainbow trout

Describes some effects on condition  
in tagged Salmo gairdnerii held  
3 years.

GLK:wad

G

Anonymous (1959) 59-9716  
Progr.Fish-Cult., 21:130  
Control of aquatic insects with  
vegetable oils

Describes practice of use of  
emulsified oil in fish ponds.

GLK:wad

F

Piper, R.G. & 59-9719  
K. Wolf (1959)  
Progr.Fish-Cult., 21:135-7  
Cost of disease treatment

Presents tables enabling one to  
determine the cost of drugs used for  
treating any known weight of fish  
with any orally administered anti-  
microbial agent.

GLK:wad

F

Rockwell, J., Jr. & 59-9717  
S.P. Chur (1959)  
Progr.Fish-Cult., 21:131-4  
An underwater observation chamber

Describes a submerged chamber with  
large window to be used as an aid to  
underwater photograph, fish counting,  
observation, etc.

GLK:wad

G

Stewart, L. (1959) 59-9720  
Progr.Fish-Cult., 21:137  
Electrical fish diversion screen in  
England

A brief note on a 3-phase alternating  
current screen designed to protect  
sea trout & salmon on the River  
Leven.

GLK:wad

MF

Beall, H.B. & 59-9721  
R.W. Wahl (1959)  
Progr.Fish-Cult., 21:138-41  
Trapping bluegill sunfish in West  
Virginia ponds

Describes methods & results of  
experiments to determine relative  
effectiveness of several wire traps  
& the use of bait to remove Lepomis  
macrochirus.

GLK:wad

F

Lambou, V.W. (1959) 59-9724  
Progr.Fish-Cult., 21:143-4  
Block-off net for taking fish-  
population samples

Gives detailed description of a  
net 280 yds x 20 ft to block off  
1-acre areas; describes use of &  
reasons for use.

GLK:wad

F

Hutt, F.B. (1958) 59-9722  
New York, Comstock Publ. Associates,  
198 p.  
Genetic resistance to disease in  
domestic animals

G

Traung, J.-O. (Comp.)(1959) 59-9725  
FAO, Rome, 82-155  
Fishing boat tank tests - Part II

Sheets 82-155, continuation of  
"Fishing boat tank tests - Part I",  
by J.O. Traung, 1955, FAO, Rome, 81 p.  
with extra bibliography, list of  
additional tanks.

SJH:sjh

M

Snieszko, S.F. (1959) 59-9723  
Progr.Fish-Cult., 21:141-2  
Genetic resistance to disease in  
domestic animals

Re 59-9722, pointing out its  
applicability in fisheries work.

GLK:wad

G

Williams, R.W. (1959) 59-9726  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):  
5-30  
The fishery for herring (Clupea  
pallasii) on Puget Sound

Reviews life-history, history of  
fishery, gear used, management  
practices, catch trends, seasons,  
areas, stock condition; effect of  
harvesting small herring.

FAO:sjh

M

Schoeneman, D.E. (1959) 59-9727  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):31-7  
Survival of downstream migrant salmon  
passing Alder Dam in an open flume

Concluded that method of transporting  
downstream migrant fish from a forebay  
collecting device to tailwater by means  
of an open flume does not create  
damage serious enough to cause death.  
Tests could not involve assessment of  
possible predation on fish stunned or  
confused by their being catapulted into  
tailwater. Study of Oncorhynchus spp.,  
chinook & silver.

FAO:des

MF

Rees, W.H. (1959) 59-9730  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):  
53-65

Effects of stream dredging on young  
silver salmon (Oncorhynchus kisutch)  
and bottom fauna

Controlled experiments 1952-53, Little  
Bear Creek, NE of Seattle;  
benthos density, stomach contents  
of fish; population estimates of fish.

FAO:sjh

MF

Hickman, C.P., Jr. (1959) 59-9728  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):38-47  
The larval development of the sand sole  
(Psettichthys melanostictus)

Describes & ill. development of larvae  
reared in laboratory & caught in Puget  
Sound, 1955.

FAO:sjh

M

Pruter, A.T. (1959) 59-9731  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):  
66-70

Tagging experiments on sablefish at  
Holmes Harbor, Washington

Growth & movement of Anoplopoma  
fimbria.

FAO:sjh

M

Junge, C.O., Jr. (1959) 59-9729  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):48-52  
Commercial salmon fishing intensity  
in Puget Sound, 1939-1955

Oncorhynchus - pink, sockeye, silver,  
chum - catch per license - gill-nets,  
reef net & purse seine - & relation  
catch to number of licenses, 1945-55.

FAO:sjh

MF

Wendler, H.O. (1959) 59-9732  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):  
71-81

Migration and fishing mortality rates  
of Columbia River spring chinook  
salmon in 1955

Results of tagging experiments,  
Jan.-April, 1955. Delay of fish at  
river mouth, rate of migration, size  
composition.

FAO:sjh

MF



Thompson, R.B. (1959) 59-9733  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):82-3  
 A study of localized predation on  
 marked chinook salmon fingerlings  
 released at McNary Dam

Stomach contents of gill-netted  
 squawfish, sculpin, brown trout &  
 steelhead, incl. remains of  
Oncorhynchus tshawytscha.

FAO:sjh

MF

Koto, H. & 59-9736  
 T. Fujii (1958)  
Bull.Fac.Fish.Hokkaido, 9:149-70  
 Structure of the waters in the  
 Bering Sea and the Aleutian Region

On the basis of data obtained by the  
 CSHORO MARU in 1956 & the KOMAHASHI  
 in 1936, descriptions & considerations  
 have been given to the current  
 systems & the structure of waters  
 in the Bering Sea & the Aleutian  
 Region.

FAO:ht

M

McKinley, W.R., D.C. Brooks 59-9734  
 R.E. Westley (1959)  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):84-7  
 Measurements of water transport through  
 Swinomish Slough, Washington

Analysis of observations of tidal  
 levels.

FAO:sjh

MF

Oishi, K. (1958) 59-9737  
Bull.Fac.Fish.Hokkaido, 9:171-85  
 (Quality of flatfish from Hakodate -  
 I. Flatfish from Hakodate - from the  
 viewpoint of study of merchandise,  
 not from the biology). Ni En

Incl. list of common & scientific  
 names of 15 spp. sold in this whole-  
 sale market; fishing grounds &  
 methods of capture are tabulated;  
 spawning seasons; edible portions.

FAO:sjh

M

Ellis, C.H. & 59-9735  
 R.E. Noble (1959)  
Fish.Res.Pap.Wash.Dep.Fish., 2(2):88-99  
 Calculated minimum contributions of  
 Washington's hatchery releases to the  
 catch of salmon on the Pacific coast  
 and the costs assessable to hatchery  
 operations

Study of 10 years returns of marked  
 chinook, silver, pink, & chum salmon  
 as basis for costing of entire process;  
 shows profitable cost to catch value  
 ratio for the State of 1-2.5.

FAO:sjh

MF

Oishi, K. (1958) 59-9738  
Bull.Fac.Fish.Hokkaido, 9:186-206  
 (Quality of flatfish from Hakodate -  
 II. Evaluation of the quality).  
 Ni En

Co 59-9737; ratios of market price  
 for 15 spp.

FAO:sjh

M



Hatano, M. (1958) 59-9739  
Bull.Fac.Fish.Hokkaido, 9:207-14  
(Lipids from the liver of Octopus  
dofleini - I. Composition of fatty  
acids of acetone-soluble lipid).  
Ni En

FAO:x

Tanikawa, E., T. Wakasa 59-9742  
& Y. Nagasawa (1958)  
Bull.Fac.Fish.Hokkaido, 9:227-57  
Studies on the muscle meat of  
Paralithodes camtschatica (Til.) - I.

FAO:x

Hatano, M. (1958) 59-9740  
Bull.Fac.Fish.Hokkaido, 9:215-7  
(Lipids from the liver of Octopus  
dofleini - II. On the lower fatty acids  
of acetone-soluble lipid). Ni En

FAO:x

Romania. Ministerul Industriei 59-9743  
Bunurilor de Consum. Departamentul  
Industriei Alimentare (1959)  
Bul.Inst.Cerc.piscic., 18(1):91 p.

Contains 59-9744 & 59-9811 to 59-9820.  
& incl. a list of foreign serial  
publications received at the library  
of the institute.

FiB:sjh

MF

Shibata, T. (1958) 59-9741  
Bull.Fac.Fish.Hokkaido, 9:218-25  
(Enzymatic studies on the muscle of  
aquatic animals - I. On the properties  
of carp muscle aldolase). Ni En

FAO:x

Mălăcea, I. (1959) 59-9744  
Bul.Inst.Cerc.piscic., 18(1):5-9  
Măsurî în vederea sporirii fondului  
de crap în regiunea inundabilă a  
Dunării (Measures aimed at  
improving the habitat for carp in the  
flood plain of the Danube)

Editorial review.

FiB:sjh

F

Chile. Ministerio de 59-9745  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1959)  
Bol.inform.Chile, (67):15 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

FiB:hr

MF

Borisov, P.G. (1958) 59-9748  
Moskva, Pishchepromizdat, 284 p.  
Opredelitel' promyslovykh ryb SSSR  
(Determination of economic fishes of  
the USSR)

Handbook giving glossary of anatomical  
& other terms & a fully ill. list of  
fishes giving common names & notes on  
size, distribution, etc.

FAO:glk

MF

Laws, R.M. (1959) 59-9746  
Norsk Hvalfangsttid., 48:425-52  
Accelerated growth in seals, with  
special reference to the Phocidae.  
No

A study of interdependence between  
sexual & physical maturity using the  
method of ageing by examination of  
teeth growth areas. Affinities  
between the pinniped families & sub-  
families, size at birth & final size,  
postnatal growth rates, sexual precocity,  
secondary acceleration in the males of  
polygynous spp., accelerated growth &  
longevity are considered.

FAO:hr

M

Artüz, M.I. (1959) 59-9749  
Balık Balıkçılık, 7(11):7-9  
Trawl balıkçılığı. Kısım II (Trawl  
fishing. Part II.)

Popular notes on management of trawl  
fishery with reference to the Sea of  
Marmara.

SJH:efa

M

Anonymous (1959) 59-9747  
Norsk Hvalfangsttid., 48:452-76  
Whaling operations in the Antarctic,  
season 1958/59. No

A statistical survey of operations  
covering regulative provisions, catch  
material, whaling period, catch  
results, oil yield, average size of  
captures, sexual maturity, & ratios of  
spp.

FAO:hr

M

Sezen, T. (1959) 59-9750  
Balık Balıkçılık, 7(11):22-4  
Ege denizinde süngercilik araştırmaları  
(Sponge fishing on the Aegean coasts)

A brief popular account of an  
exploratory sponge-fishing cruise in  
S. Turkish coasts.

SJH:efa

M

Taneri, B. (1959) 59-9751  
Balık Balıkçılık, 7(11):5-7  
Araştırma ve idare (Management and  
research)

Discusses the necessity of research &  
suggests possibilities for the  
administrators to acquire technical  
knowledge.

SJH:bt

G

Artüz, M.I. (1959) 59-9754  
Balık Balıkçılık, 7(9-10):25-9  
Trawl balıkçılığı. Kısım I (Trawl  
fishing. Part I.)

Popular notes on management of trawl  
fishery with reference to the Sea of  
Marmara.

SJH:cfa

M

Aytekin, H. (1959) 59-9752  
Balık Balıkçılık, 7(9-10):2-5  
Istanbul Balıkçılık Müdürlüğü vazifeye  
başlarken (Istanbul Fisheries  
Directorate begins to operate)

Describes the purpose of establishment  
of & objectives aimed by the Directorate

SJH:ha

M

Bonham, K. (1958) 59-9755  
Seattle, Appl.Fish.Lab.Univ.Wash.,  
UWFL-53:52 p.  
Radioactivity of invertebrates and  
other organisms at Eniwetok atoll  
during 1954-55

Trends of beta activity after nuclear  
detonations in beach sand, sea water,  
plankton, reef fish & benthic animals  
from 1954 to 1956.

FiB:tl

M

Üner, S. (1959) 59-9753  
Balık Balıkçılık, 7(9-10):16-9  
İstavrit (On horse mackerels,  
Trachurus trachurus)

Popular notes on the biology of  
Trachurus trachurus & T. mediterraneus  
with notes on fishing methods.

SJH:cfa

M

Lowman, F.G. (1958) 59-9756  
Seattle, Appl.Fish.Lab.Univ.Wash.,  
UWFL-54:31 p.  
Radioactivity in plankton near the  
Marshall Islands, 1956

Analysis of the radioactive elements  
in the plankton, using radiochemical  
separation methods (ion exchange &  
precipitation techniques).

FiB:tl

M



Welander, A.D. (1958) 59-9757  
Seattle, Appl.Fish.Lab.Univ.Wash.,  
 UWFL-55:30 p.  
 Radiobiological studies of the fish  
 collected at Rongelap and Ailinginae  
 atolls, July 1957

Results of radiobiological analysis  
 of reef fishes. Analysis of gross beta  
 activity & gamma spectra analysis of  
 various organs & tissues.

FiB:tl

M

Davies, D.H. (1957) 59-9760  
Invest.Rep.Div.Fish.S.Afr., (32):11 p.  
 The biology of the South African  
 pilchard

A review of the general organization &  
 background of the research into the  
 biology, bionomics & environment of  
 the spp. drafted with a view of  
 presenting the investigational findings  
 as an integrated whole.

GLK:hr

M

Seymour, A.H. et al. (1957) 59-9758  
Seattle, Appl.Fish.Lab.Univ.Wash.,  
 UWFL-47:57 p.  
 Survey of radioactivity in the sea and  
 in pelagic marine life west of the  
 Marshall Islands, September 1-20, 1956

Contents as per title.

FiB:tl

M

Ellis, R. (1958) 59-9761  
Bull.int.oceanogr.Fdn., 4(2):81-7  
 Of ships and herring runs

BA 33A(1):13. History & accomplishments  
 of the Aberdeen Laboratory of the  
 Fishery Research Board for Scotland.

GLK

M

Davies, D.H. (1958) 59-9759  
Invest.Rep.Div.Fish.S.Afr., (33):20 p.  
 The South African pilchard (Sardinops  
ocellata) - Preliminary report on the  
 age composition of the commercial  
 catches, 1950-55

A further paper in a series dealing  
 with the general biology of the spp.  
 A brief description of the method for  
 the reading of the scales is given  
 followed by considerations on type,  
 formation & incidence of rings & their  
 significance in relation to age .  
 Sections on age composition of the  
 catches & rate of growth follow.

GLK:hr

M

Haggquist, G. & 59-9762  
 G. Hevesy (1958)  
Acta radiol., 49(4):321-5  
 The combined effect of heavy water and  
 roentgen irradiation on the animal  
 organism

BA 33A(1):411. Account of experiments  
 on irradiation of Hyphessobrycon  
scholzei in 25% heavy water & tap  
 water.

GLK

F



Wilber, C.G. (1958) 59-9763  
Amer.J.Physiol., 194(3):488-90  
Chromatic responses of Fundulus to  
lysergic acid

BA 33A(1):450. Lysergic acid  
diethylamide (LSD) was administered  
to Fundulus heteroclitus by injection  
& by immersion. In all experiments  
light-adapted fish became darker: the  
concentrated melanophores were  
dispersed. A few behavioral changes  
in the fish were observed.

:ba

Davis, H.C. (1957) 59-9766  
Rep.Amer.malac.Un., 1957:6  
Some effects of lowered salinities on  
propagation and early development of  
clams and oysters

BA 33A(1):549. The optimum salinities  
for development of eggs & for growth  
of larvae of Venus mercenaria &  
Crassostrea virginica, are reported.

:ba

M

Kurihara, Y. (1958) 59-9764  
Sci.Rep.Tohoku Univ., (biol.), 24(1):  
15-21

Synecological analysis of the biotic  
community in microcosm. III. Studies  
on the relations of diptera larvae  
to protozoa in the containers made  
of bamboos of different ages

BA 33A(1):482. Relationship between  
protozoa & diptera larvae found in  
various waters in bamboo containers  
was examined. Appearance of diptera  
larvae was characteristic & closely  
related to protozoan association.

:ba

F

Mousinho Figueiredo, J. (1957) 59-9767  
Rev.Cienc.Vet., 52(361):112-33  
Los grandes cetáceos y su industria  
(The large whales and the whaling  
industry)

BA 33A(1):557. Whales of various kinds  
& whaling are discussed from the  
standpoints of practical zoology,  
external anatomy, reproduction, growth,  
means of capture & edibility of meat.

:ba

M

Beck, W.M., Jr. (1958) 59-9765  
Quart.J.Fla Acad.Sci., 21(1):12-24  
A study of the interrelations of  
selected chemical and physical factors  
in the Suwannee River

BA 33A(1):539. A study of the  
correlations, positive & negative,  
between chemical & physical factors.  
Source of correlations lies in the  
mixing of 2 chemically distinct water  
masses.

:ba

Wallen, I.E., W.C. Green & R. Lasater (1957) 59-9768  
Sewage industr.Wastes, 29(6):695-711  
Toxicity to Gambusia affinis of certain  
pure chemicals in turbid waters

BA 33A(1):562. Account of studies made  
of the short term toxicity of 86  
chemicals encountered in refinery  
wastes on livebearing of this sp.

:ba

F

Anonymous (1959) 59-9769  
Mondo d.Natura, (7):214-5  
Aragosta (Lobster)

Article on Palinurus consisting of  
synopsis of P. vulgaris, P. mauritanicus,  
P. regius. Morphological & anatomical  
characteristics, biological cycle,  
classification & diffusion, ecology,  
relation to men.

HR:hr

M

Hill, D.R. (1959) 59-9772  
Fish.Bull., U.S., 59:269-86  
Some uses of statistical analysis in  
classifying races of American shad  
(Alosa sapidissima)

Application of discriminant function  
analysis to data on meristic features  
for examination of a theory of races of  
this sp.

WAD:glk

MF

Anonymous (1959) 59-9770  
Mondo d.Natura, (7):223-4  
Archianellidi (Archianellida)

Article on Archianellida consisting of  
synopsis of Polygordius neapolitanus,  
Troglochaetes beraneekii, Dinophilus  
apatris. Morphological & anatomical  
characteristics, biological cycle,  
ecology, classification & diffusion.

HR:hr

M

Chile. Ministerio de 59-9773  
Agricultura. Departamento de Fomento  
de Pesca y Caza (1959)  
Bol.inform.Chile, (66):12 p.

Contains main fisheries products  
statistics of Chile by region & notes  
on short popular articles on fisheries  
development in that country &  
elsewhere.

FiB:hr

MF

Keefe, A.M. (1959) 59-9771  
Turttox News, 37:196-8  
Bryozoa in aquaria

Describes the occurrence of (presumably)  
Plumatella repens in tropical fish  
aquarium, its relationship with rotifer  
colonies (possibly Megalotrocha), &  
suggests that both the bryozoa &  
rotifers may be useful scavengers.

GLK:wad

F

Bradbury, S. (1958) 59-9774  
Thesis, Univ. of Oxford, U.K., 11:24 p.  
A morphological and histochemical study  
of connective tissue in leeches

F

Tugendhat, B. (1959) 59-9775  
Thesis, Univ. of Oxford, U.K., 11:24 p.  
Studies of the effects of thwarting in  
sticklebacks.

F

Gery, J. (1959) 59-9778  
Senckenburgiana biol., 40(3/4):127-33  
Thayeria ifati n. sp. of Guiana, with  
considerations on the evolution of the  
genus

Taxonomic, biometric study of the  
tetragonopterine fish from Maroni basin,  
on border of Surinam & Fr. Guiana.  
Notes on coloration & behaviour in  
aquarium.

GLK:sjh

F

Reinhold, D. (1959) 59-9776  
Penn. Angler, 28(9):8-12  
Fish for fun

A popular account of the history &  
results of the "Hazzard Plan" (sport  
fishing for trout which must be  
released & not killed) on a Pennsylvania  
stream.

FiB:wad

F

Leffler, R.L. (1959) 59-9779  
Ore. St. Game Bull., 14(10):3, 6-7  
The program of the U.S. Fish and  
Wildlife Service for the anadromous  
fishes of the Columbia River

Popular article on the subject.

FiB:wad

MF

Gunston, D. (1959) 59-9777  
Penn. Angler, 28(9):17-8  
The reproduction of fish.

A popular account.

FiB:wad

MF

Fisher, C.K. (1959) 59-9780  
Adm. Rep. Int. Fish. Calif., 59(11):9 p.  
The 1953-54 winter steelhead fishery on  
the Gualala River, Mendocino/Sonoma  
counties

Describes a creel census for Salmo g.  
gairdnerii taken on a small north  
coastal California stream & recommends  
management practises.

WAD:wad

MF



LaFaunce, D.A. (1959) 59-9781  
Adm.Rep.Inl.Fish.Calif., 59(8):9 p.  
The food of fingerling largemouth bass  
(Micropterus salmoides) in Clear Lake  
Lake County, during August, 1958

The 4th in a series of reports on  
the subject. (California)

WAD:wad

F

Boolootian, R.A. et al. (1959) 59-9784  
Physiol.Zoöl., 32:213-20  
Reproductive cycle of five West Coast  
crabs

Cycles, egg development, sizes at  
maturity, nesting, parasites of  
Pachygrapsus, Hemigrapsus, Pugettia,  
Emerita & Petrolisthes in California.

FAO:sjh

M

Tharratt, R.C. (1959) 59-9782  
Adm.Rep.Inl.Fish.Calif., 59(9):9 p.  
Status of the eastern brook trout in  
California

A review with specific reference to  
the question of overpopulation of  
Salvelinus fontinalis in back-country  
lakes & the advisability of increasing  
the bag limit.

WAD:wad

F

Cade, T.J. & 59-9785  
G.A. Bartholomew (1959)  
Physiol.Zoöl., 32:230-8  
Sea-water and salt utilization by  
savannah sparrows

Describes field & laboratory  
observations in California relating  
to osmo-regulation of Passerculus spp.  
which can drink sea water.

FAO:sjh

M

Evins, D. (1959) 59-9783  
Adm.Rep.Inl.Fish.Calif., 59(10):2 p.  
Further experiments on fingerling  
returns from pond-reared sac fry

A second report on experiments to test  
the feasibility of introducing Salmo  
gairdnerii sac fry directly from  
incubator trays into raceway-type ponds

WAD:wad

MF

Doyle, W.L., R. Rappaport 59-9786  
& M.E. Doyle (1959)  
Physiol.Zoöl., 32:246-55  
Formation and distribution of esterase  
in gammarids

Assay of eggs & young of Marinogammarus  
obtusatus from specimens taken summers,  
1955-58 in Fucus & Ascophyllum  
intertidal zones of Maine coast. Incl.  
59-9787.

FAO:sjh

M



Doyle, M.E. (1959) 59-9787  
Physiol.Zoöl., 32:252-5  
Morphogenesis of Marinogammarus spp.

Appendix to 59-9786.

FAO:sjh

M

Freeman, B.O. (1959) 59-9790  
Miss.Game Fish., 21(1):5, 8-9  
Moon Lake management

Population study of fish in this Mississippi L. by poisoning & by hoop netting samples. Age & growth of white crappie. Management by rough fish removal.

FAO:sjh

F

Wood-Gush, D.G.M. (1959) 59-9788  
Physiol.Zoöl., 32:272-83  
Time-lapse photography: a technique for studying diurnal rhythms

Describes technique & method of analysing results, (& their application to study of bird behaviour).

FAO:sjh

G

Fukai, R. & 59-9791  
W.W. Meinke (1959)  
Nature, Lond., 184, Suppl.(11):815-6  
Some activation analyses of six trace elements in marine biological ashes

Describes analyses for V, As, Mo, W, Re & Au in Ulva, Porphyra, Tapes japonica, Pandalus & Pneumatophorus japonicus all from Japan.

GLK:wad

M

McCleary R.A. & 59-9789  
J.J. Bernstein (1959)  
Physiol.Zoöl., 32:284-92  
A unique method for control of brightness cues in study of color vision in fish

El. & describes apparatus tested to determine red-green discrimination of Carassius auratus. Method involves restraining movement of fish in aquarium, conditioning it by electric shock & arranging for stimulus suddenly to be presented to animal, & a recording response by EKG records from electrodes buried in visceral cavity of fish.

FAO:sjh

FG

Jubb, R.A. (1959) 59-9792  
Nature, Lond., 184, Suppl.(11):827-8  
Eels in Southern Africa

Notes on distribution, life-history of Anguilla nebulosa labiata Peters & A. mossambica Peters, the widely distributed A. marmorata Quoy & Gaimard, & A. bicolor bicolor McClelland, & the rare A. obscura Gunther.

GLK:wad

MF

Nagabhushanam, A.K. (1959) 59-9793  
Nature, Lond., 184, Suppl.(11):829  
Feeding of ctenophore, *Bolinopsis*  
*infundibulum* (O. F. Müller)

Describes feeding habits on copepods  
as observed in aquaria.

GLK:wad

M

Eales, N.B. (1959) 59-9796  
Nature, Lond., 184:573-4  
The invertebrates: smaller coelomate  
groups - Chaetognatha, Hemichordata,  
Pogonophora, Phoronida, Ectoprocta,  
Brachipoda, Sipunculida. The coelomate  
Bilateria

Re 59-6618.

GLK:

MF

Womersley, H.B.S. & 59-9794  
R.E. Norris (1959)  
Nature, Lond., 184, Suppl. (11):828-9  
A free-floating marine red alga

Describes what authors believe to be a  
unique case of a free floating  
rhodophyte (perhaps *Antithamnion*) off  
Victoria, Australia in 1959.

GLK:wad

M

Hale, L.J. (1958) 59-9797  
London, Methuen & Co., Ltd., 132 p.  
Biological laboratory data

G

Belser, W.L. (1959) 59-9795  
Proc.nat.Acad.Sci., U.S., 45:1533-42  
Bioassay of organic micronutrients in  
the sea

Short general account of literature on  
activities; bioassay of water samples  
collected off Costa Rica, Mexico &  
California 1956-58, using ultraviolet  
light-induced mutants of the gram-  
negative coccobacillus *Serratia*  
*marinorubra* as test organism.

FAO:sjh

M

McLean, R.C. (1959) 59-9798  
Nature, Lond., 184:577  
Biological laboratory data

Re 59-9797.

G

Went, A.E.J. (1959) 59-9799  
Nature, Lond., 184:577  
The salmon

Re 59-4991.

MF

Vives, F., P. Suau 59-9802  
& A. Planas (1959)

Invest.pesq., 14:3-23  
Sobre la biología de la cinta (Cepola  
rubescens L.) (On the biology of  
Cepola rubescens L.). En

A study based chiefly on commercial catches along the Eastern Mediterranean coast of size & weight, age, sex, feeding, spawning & fat deposition.

FiB:hr

M

Barnes, H. & 59-9800  
M. Barnes (1959)  
Experientia, 155:438-9  
Oscillatory respiration in Balanus  
amphitrite Darwin

O<sub>2</sub> - uptake under experimental non-marine, but slightly saline, conditions of specimens from "Salton Sea", S. California.

FAO:sjh

MF

Fraga, F. (1959) 59-9803  
Invest.pesq., 14:25-32

Relación entre peso, talla y composición química en el mejillón (Mytilus edulis) de la ría de Vigo (Weight, size & chemical composition relationships of the edible mussel Mytilus edulis of the ría of Vigo). En

Calculations of the relationships using 2 types of equations.

FiB:hr

M

Verheijen, F.J. (1959) 59-9801  
Experientia, 155:443-4  
A peculiar nystagmus and a corresponding foveal structure in the eye of the herring (Clupea harengus L.)

Describes & ill. this peculiar eye-movement of fish in aquaria; also observed in actively turning Palinurus vulgaris & Carcinus maenas.

FAO:sjh

M

Massutí, M. (1959) 59-9804  
Invest.pesq., 14:23-52

Estudio del crecimiento relativo de (Parapenaeus longirrostris Lucas) del Golfo de Cádiz, Marruecos y Africa Occidental francesa (Studies of relative growth of Parapenaeus longirrostris Lucas of the Gulf of Cadiz, Morocco & French West Africa). En

The equation  $y = b \cdot x^k$  is used for the calculations of the relative growth of the sp.

FiB:hr

M



Massutí, M. (1959) 59-9805  
Invest.pesq., 14:53-63  
Estudio de los taliáceos del plancton  
de Castellón durante el año 1954  
(Study of Thaliacea of the plankton  
of Castellón during 1954). En

Thalia democratica, Salpa fusiformis  
& Doliolum sp. are identified. Length  
variation & frequency & 2 yearly  
generations are recorded. Alternation  
form in Thalia democratica observed.

FiB:sjh

M

Fraga, F. (1959) 59-9808  
Invest.pesq., 14:121-7  
Determinación de nitrógeno orgánico  
suspendido y disuelto en el agua del  
mar (Determination of organic  
nitrogen suspended and dissolved in  
sea water). En

An improvement of the Kjeldahl method  
is described. No special device is  
required & the time spent for every  
determination is about 2 hours. Several  
analysis can be carried together.

FiB:hr

M

Bas Peired, C. (1959) 59-9806  
Invest.pesq., 14:65-113  
Consideraciones acerca del crecimiento  
de la caballa (Scomber scombrus L.)  
en el Mediterráneo español  
(Considerations on growth of mackerel  
Scomber scombrus L. in the Spanish  
Mediterranean)

A study of growth variations & their  
relation with physiological &  
environmental factors.

FiB:sjh

M

Voss, G.L. & 59-9809  
D.S. Erdman (1959)  
Nautilus, July 1959, p. 23-5  
Thysanoteuthis rhombus, large  
cephalopod new to the Western Atlantic

Notes on & general description of,  
with measurements, a squid found in  
stomach of a blue marlin caught  
Nov. 1958 off Puerto Rico. (Issued as:  
Contr.Mar.Lab.Univ.Miami, (222), 1959).

FAO:sjh

M

Rodríguez-Roda, J. (1959) 59-9807  
Invest.pesq., 14:115-9  
Aparición en la costa sudatlántica  
española de atunes marcados en Noruega  
(Occurrence on the Spanish south  
Atlantic coast of tunas marked in  
Norway). En

Three Thunnus thynnus marked in Bergen  
in September 1958 were caught in  
Sancti-Petri & Barbate in June/July  
1959.

FiB:hr

M

Smith, J.L.B. (1959) 59-9810  
Ichthyol.Bull., (16):265-82  
The identity of Scarus gibbus Ruppell,  
1828 and of other parrotfishes of the  
family Callyodontidae from the Red Sea  
and the Western Indian Ocean

Description of spp. of Scarus, Xanodon,  
Callyodon, Cetoscarus, Bolbometopon,  
Chlorurus, Hipposcarus, Margaritodon &  
Ypsiscarus. Colored ill., distribution  
notes.

FAO:sjh

M



Buşniţă, Th. & 59-9811

A. Cristian (1959)

Bul.Inst.Cerc.piscic., 18(1):11-32

Biologia şi creşterea carasului argin argintiu (Carassius auratus gibelio (Bloch)) în iazuri şi eleşteele de crap (The biology & culture of

goldfish, Carassius auratus gibelio

Bloch, in carp ponds). Fr Ru

Diet, habitat requirements, culture in Romania & elsewhere in Europe; mixed culture recommended in ponds & isolated lakes, without artificial feeding. Necessity of maintaining sufficient members of male carp or goldfish.

FiB:sjh

F

Leonte, V. (1959)

59-9812

Bul.Inst.Cerc.piscic., 18(1):33-42

Cercetări în Delta Dunării şi Razelm privind reproducerea crapului,

şalăului şi plăticii în anul 1958

(Research in Danube Delta & Lake Razelm on the reproduction of carp pike-perch & bream in 1958).

Fr Ru

Conditions, periods & results of reproduction. Growth of carp fry is satisfactory but many are lost through access canals of lakes. Proposes measures for protection of spawners & restocking.

FiB:sjh

F

Costea, E. (1959)

59-9813

Bul.Inst.Cerc.piscic., 18(1):43-58

Pepiniera piscicolă Frăsinet (Raionul Lehliu - Regiunea Bucureşti)

(Frăsinet fishcultural nursery, Lehliu Department, Bucarest region).

Fr Ru

Describes station which began work in 1956 & supplies carps for pond stocking in the Mostiştea Valley. Spawners procured & their offspring had infectious dropsy; crosses of Siut-Ghiol carp & Lausitz carp are less susceptible.

FiB:sjh

F

Caloianu-Iordăchel, H. (1959) 59-9814

Bul.Inst.Cerc.piscic., 18(1):59-65

Creşterea puietului diferitelor specii de sturioni în funcţie de caracteristicile lor ecologice (Rearing of fry of various species of sturgeons in terms and their ecological characteristics).

Fr Ru

Post-embryonic development, especially of alimentary tract, & feeding in the 1st days after hatching are important in culture of Huso & Acipenser spp.

Form & position of yolk-sac, development of mouth & stomach,

59-9814

(Card 2)

reactions to light are described.

FiB:sjh

F

Popescu, E. (1959)

59-9816

Bul.Inst.Cerc.piscic., 18(1):66-74

Cercetări asupra metodelor de determinare cantitativă a planctonului (Research on the methods for quantitative determination of plankton). Fr Ru

Comparative studies of methods based on collection with cylindrical nets, or fish volumes of water; of preservation - in form or solution of KI in I - of sedimentation - by settling or by centrifuge - & of methods of determining biomass gravimetrically,

59-9816  
(Card 2)  
numerically or volumetrically.  
Author considers counting method,  
combined with mean weight  
determinations, to be the best.

FiB:sjh

FG

Zane, E. (1959) 59-9820  
Bul.Inst.Cerc.piscic., 18(1):84-8  
Folosirea izotopilor radioactivi in  
hidrobiologie si piscicultura  
(Uses of radioactive isotopes in  
hydrobiology and fishculture)

Annotated list of 23 Soviet  
publications on this subject, 1954-  
58.

FiB:sjh

MF

Pircălăboiu, S. (1959) 59-9818  
Bul.Inst.Cerc.piscic., 18(1):75-81  
Considerații asupra pescuitului cu  
talianele la litoralul Romînesc al  
Mării Negre in anul 1958  
(Consideration of the fishery with  
"talianele" - large fixed nets - off  
the Romania Black Sea coast in 1958).  
Fr Ru

Catches of Sprattus sprattus  
phalericus, Engraulis encrassicholus  
ponticus & Trachurus mediterraneus  
ponticus. Proposes extension of method  
to other as yet unexploited areas.  
FiB:sjh M

Groba, E. (1959) 59-9821  
Acta hydrophys., 5:163-92  
Geologische Unterwasserkartierung im  
Litoral der deutschen Ostseeküste  
(Ecologic submarine mapping in the  
littoral of the German Baltic coast)  
Description of the submarine  
topography & sediment formation, as  
observed by skin divers.

FiB:tl

M

Rădulescu, I. & 59-9819  
N. Vasiliu-Suceveanu (1959)  
Bul.Inst.Cerc.piscic., 18(1):82-3  
Nota asupra unei infestări cu  
trematodul monogen Heteronchocleidus  
buschkieli Bihovski la Macropodus  
opercularis (Note on an infestation  
by the monogenic trematode  
Heteronchocleidus buschkieli Bihovski  
in Macropodus opercularis). Fr Ru

Ill. note cites a case in which death  
of the fish was caused.

FiB:sjh

F

Schellenberger, G. (1959) 59-9822  
Acta hydrophys., 5:201-12  
Lösung der eindimensionalen  
Wärmeleitungsgleichung mit  
willkürlicher Wärmequellenverteilung  
(Solution of one-dimensional heat  
conductivity equation with arbitrary  
heat source distribution)

Solution of a heat conductivity  
equation for general initial- &  
boundary conditions by Laplace-  
transformation.

FiB:tl

G

Hardy, A., C.E. Lucas 59-9823  
& K.M. Rae (1959)  
Bull.Mar.Ecol., 4(Nov.):13 p.

This issue completes volume 4; lists contents of volume N°s 25-38, published over period 1953-1957; lists personnel of Oceanographic Laboratory, Edinburgh, 1951-59; contains 59-9824.

FiB:sjh

M

Eagleson, P.S., R.G. Dean 59-9826  
& L.A. Peralta (1958)  
Tech.Memor.U.S.Army Eros.Bd., (104):  
The mechanics of the motion of discrete spherical bottom sediment particles due to shoaling waves

M

Henderson, G.T.D. (1959) 59-9824  
Bull.Mar.Ecol., 4(Nov.):6-13  
Explanation - A non-technical account of the contents of volume IV

Brief summaries of Bulletins 25-38, recent ones of which are 570705, 571357, 571320, 571301, & BO 3671 & BO 3717.

FiB:sjh

M

Hall, M.A. (1958) 59-9827  
Tech.Memor.U.S.Army Eros.Bd., (106):  
Laboratory study of breaking wave forces on piles

M

Wiegel, R.L. & 59-9825  
A.L. Arnold (1957)  
Tech.Memor.U.S.Army Eros.Bd., (103):  
Model study of wave refraction

M

Rusnak, G.A. (1957) 59-9828  
J.Geol., 65(4):384  
The orientation of sand grains under conditions of "unidirectional" fluid flow - I. Theory and experiment  
  
(issued as: Contr.Scripps Instn Oceanogr., 1957(914)).

M



Anonymous (1957) 59-9829  
Bol.Inst.esp.Oceanogr., (83):1  
 Campanas del XAUEN en el Mediterráneo  
 español y en las costas noroeste y  
 cantábrica de Español, en el año 1951  
 (XAUEN cruise in the Spanish  
 Mediterranean and along the northwestern  
 and Cantabrian coast in 1951)

M

Anonymous (1959) 59-9832  
Cah.océanogr., 11(1):54  
 Résultats d'observations  
 hydrologiques (Results of  
 hydrological observations)

M

Hanssen, G.L. (1958) 59-9830  
J.Instn Navig., Los Angeles, 5(3):157  
 The U.S. Navy Hydrographic Office ship  
 routing program

M

Anonymous (1957) 59-9833  
Bol.Inst.antarct.Argent., 1(2):21  
 El buque oceanográfico CAPITAN  
 CANEPA (The oceanographic  
 vessel CAPITAN CANEPA)

M

Larsen, N. (1957) 59-9831  
Sci.Res.Brategg Exped., (3)  
 Pacific Antarctic waters

M

Lenoble, J. & 59-9834  
 S. Isacchi (1959)  
Cah.océanogr., 11(3):170  
 Projet d'un modèle réduit pour les  
 études d'optique océanographique  
 (Project of a reduced model for  
 optical oceanographical studies)

M



Tchernia, P. (1959) 59-9835  
Cah.océanogr., 11(3):148  
Compte rendu succinct d'une campagne  
d'observations hydrologiques exécutée  
dans le Golfe de Cadix à bord du  
DISCOVERY II en novembre 1958  
(Brief report of a campaign of  
hydrological observations carried out  
in the Bay of Cadiz on board of the  
DISCOVERY II in November 1958)

M

Anonymous (1958) 59-9838  
Dock Harb.Autor., 39(458):258  
Self-contained Roberts current meter

M

Marshall, T., R.P. Suggate 59-9836  
& D.S. Nicholson (1958)  
N.Z.J.Geol.Geophys., (2):318  
A borehole survey of ilemite-bearing  
beach sands at Cape Foulwind, Westport

M

Windischbauer, H. (1958) 59-9839  
Elektronik, 7(10):297  
Entwicklung und Stand des  
Unterwasserfernsehens (Development  
and state of underwater television)  
DK 621.397.9:626.02

MF

James, R.W. & 59-9837  
G.L. Hanssen (1958)  
Tech.Rep.U.S.Navy hydrogr.Off., (53):  
Evaluation of the U.S. Navy hydrographic  
Office ship routing program

M

Anonymous (1958) 59-9840  
Hansa, 95(25-26):1259  
Deutsche Unterwasser-Fernsehgeräte  
(German underwater television  
cameras)

MF

Doumenge, F. (1958) 59-9847  
Bull.Ass.Géogr.franc., (276-77):7  
 Problèmes de la pêche en Méditerranée  
 occidentale (Fishery problems in  
 the western Mediterranean)

M

Jenkins, D.S. (1957) 59-9850  
J.Amer.Wat.Wks Ass., 49(8):1007  
 Developments in saline water  
 conversion

M

Anonymous (1958) 59-9848  
Bull.Navires sél., (19):3  
 Les cartes de l'état de la mer  
 (Sea condition charts)

M

Mascarenhas, D.A. (1958) 59-9851  
J.Cambridge Univ.Engng Soc., 28:68  
 Tidal power and Rance project

M

Miesner, E. (1958) 59-9849  
Elektrowelt, (6):  
 Die Ausnutzung der Gezeitenkraftwerken  
 (The utilization of tide power stations)

M

Manohar, M. (1958) 59-9852  
J.Instn Engrs, India, 38(5):499  
 Some characteristics of wave  
 phenomena and their application to  
 coastline and harbour sites

M

Deharde, W. & 59-9841  
 K. Hausmann (1957)  
Jber.Forschungss.Norderney, 1956:73  
 Elektronischer Zeitmarkengeber für  
 Schreibpegel (Electronic time  
 signal transmitter for water gauges)

M

Anderson, V.C. (1957) 59-9844  
Rev.sci.Instrum., 28(7):504  
 Dielectric recorder  
 (issued as: Contr.Scripps Instr  
Oceanogr., 1957(934) ).

M

Jensen, K.W. (1958) 59-9842  
Jeger og Fisker, (4):8 p.  
 Ørretbestander, avkastning, beskatning,  
 dødelighet (Trout populations,  
 productivity, economic yield and  
 mortality)

Short review of these problems in  
 various Norwegian waters.

SJH:tl

F

Schuh, R. (1958) 59-9845  
Wasserwirtschaft, Stuttgart, 48(12)  
 315  
 Messgeräte für die Untersuchung und  
 Überwachung von Fluss- und  
 Abwasser (Measuring  
 instruments for investigations and  
 supervision of stream- and waste  
 water)

F

Carver, Ch.E., Jr. (1958) 59-9843  
Tech.Rep.Woods Hole oceanogr.Instn,  
(58-51):  
 The WHOI wave tower research facility

M

Lowell, B.W. (1958) 59-9846  
Weather, 13(11):364  
 Unmanned ocean weather stations

M

Brodskii, A.K. (1959) 59-9853  
Naturw.Rdsch., 12(2):52  
Leben in der Tiefe des Polarbeckens  
(Life in the depth of the Polar Basin)

II

Lisitzin, E. (1959) 59-9856  
Cah.océanogr., 11(1):7  
Les variations saisonnières du  
niveau de la mer et de la densité  
de l'eau en Méditerranée occidentale  
(Seasonal variations of sea level  
and water density in the western  
Mediterranean)

M

Iribarren Cavanilles, R., 59-9854  
Nogales y Olano, C. & P.Fernandez(1958)  
Rev.Obr.públ., Madr., (2914):69  
Onda de resaca en los puertos. Ensayos  
de resonancia en modelos reducidos  
(Surge waves in harbours. Resonance  
tests with reduced models)

M

Eyries, M. (1959) 59-9857  
Cah.océanogr., 11(2):85  
Le niveau moyen de la mer  
(The medium sea level)

M

Kirsch, M. (1958) 59-9855  
Schiffbautech., (1):31  
Die Berechnung der hydrodynamischen  
Massen und der hydrodynamischen  
Massenträgheitsmomente bei  
Rollschwingungen nach Grim  
(The computation of hydrodynamic masses  
and hydrodynamic moments of inertia  
at rolling vibrations according to  
Grim)

M

Lacaze, J. (1959) 59-9858  
Cah.océanogr., 11(3):158  
Les microséismes d'origine  
océanique (Microseisms from  
oceanic origin)

M



Kuenen, Ph.H. (1958) 59-9859  
Geol.Rdsch., 47(1):1  
No geology without marine geology

M

Müller, G. (1958) 59-9862  
Geol.Rdsch., 47(1):117  
Die rezenten Sedimente im Golf von Neapel (1): Die Sedimente des Golfes von Pozzuoli (The recent sediments in the Gulf of Naples (1): The sediments of the Gulf of Pozzuoli)

M

Gripp, K. (1958) 59-9860  
Geol.Rdsch., 47(1):83  
Rezente und fossile Flachmeer-Absätze petrologisch betrachtet und gedeutet (Recent and fossil flat sea sediments, considered and explained from a petrological point of view)

M

Shepard, F.P. (1958) 59-9863  
Geol.Rdsch., 47(1):150  
Sedimentation of the northwestern Gulf of Mexico

M

Seibold, E. (1958) 59-9861  
Geol.Rdsch., 47(1):100  
Jahreslagen in Sedimenten der mittleren Adria (Yearly layers in sediments of the central Adriatic Sea)

M

Nota, D.J.G. (1958) 59-9864  
Geol.Rdsch., 47(1):167  
Sedimentation auf dem West-Guyana Schelf

M

Abe, T. (1958)	8992	Bas Piered, C. (1959)	9806
Abercrombie, M. et al. (1957)	9211	Basrie, (1958)	8722
Adams, J.A. (1958)	8775	Bates, C.C. (1957)	9011 9013
Akita, Y. (1957)	9361	Batias, A. (1958)	9578
Alexander, E.C. (1958)	8776	Beall, H.B. & R.W. Wahl	
Alexander, J.E. (1957)	8777	(1959)	9721
Ali, M.A. (1958)	8747	Beck, W.M., Jr. (1958)	9765
Al-Saadi, A.M. (1959)	8855	Becking, G.M. Baas, J.M.	
Altman, R.W. (1959)	8831	Thomson & E.J.F. Wood (1959)	
American Fisheries			9325
Society (1959)	9394 9418	Becking, L.G.M. Baas (1959)	9327
Aminuddin, M. (1957)	8715	Beer, S. (1959)	9497
Anadón, E. (1957)	8960	Behle, W.H. (1958)	9513
Andersen, J.K. (1959)	9414	Belsare, D.K. (1959)	9685
Anderson, E.W. (1957)	9133	Belser, W.L. (1959)	9795
Anderson, R.O. (1959)	8767	Berkson, H. (1959)	9267
Anderson, V.C. (1957)	9844	Bernhardt, R. (1957)	8735
Anderson, W.W. (1958)	9310	Bernstein, J.J. (1957)	8862
Anderson, W.W. (1959)	9549	Bernstein, J.J. (1959)	8863 9789
Andrade, M.H. de A. &		Berry, F.H. (1959)	9524
C. Teixeira (1957)	9571	Berthois, L. (1957)	9370
Angeles, H. (1959)	9639	Bjorklund, R.G. (1958)	8864
Annan, M.E. (1958)	9389	Blair, A.A. (1958)	9891
Anthony, E.H. (1959)	9265	Blume, W. (1958)	9226
Ardiwinata, R.O. (1958)	8725	Bond, R.M. &	
Ardiwinata, R.O. (1959)	9669	J.C. Medcof (1958)	9690
Arnold, A.L. (1957)	9825	Bonham, K. (1958)	9755
Arrow, K.J. S. Karlin		Bookhout, C.G. (1957)	9122
& H. Scarf (1958)	9502	Boolootian, R.A. (1958)	9482
Artüz, M.I. (1959)	9749 9754	Boolootian, R.A. et al.	
Aryono, (1957)	8721	(1959)	9784
Asnan, (1958)	8730	Borisov, P.G. (1958)	9748
Athearn, W.D. (1957)	9323	Bose, B. (1959)	9674
Atton, F.M. (1959)	9427	Boshu, C. (1957)	9375
Atz, J. (1959)	8856	Bossolasco, M. (1958)	8668 8994
Aytekin, H. (1959)	9752	Boström, O. (1958)	9286
Baccesco, M. &		Bouligand, Y. & C. Delamare	
H. Dumitresco (1958)	9167	Deboutteville (1959)	9459
Bachop, W.E. (1958)	8756	Bourcart, J. (1959)	9233 9458
Backhouse, K.M.	9621	9461	
Backiel, T., et al. (1958)	9174	Bourrelly, P. (1958)	9165
Bailey, R.M. (1959)	9523 9534	Bousfield, E.L. (1957)	8699
Baker, W.D. (1957)	8757	Bradbury, S. (1958)	9774
Balasubrahmanyam, K. (1959)	9686	Branson, B. (1957)	8857
Bali, J.M. (1959)	8734	Bratt, A.D. (1957)	8806
Balinskii, B.I. (1959)	9478	Dravo Hollis, M. &	
Bardach, J.E., H.E. Winn		R.R. Brenes M. (1958)	9241
& D.W. Menzel (1959)	9525	Brehmer, M. (1958)	8820
Barlow, G.W. (1958)	8887	Brenes M., R.R. (1958)	9238 9241
Barnard, J.L. (1958)	9466	Brett, J.R. (1957)	9114
Barnes, H. &		Brian, P.W. (1957)	9439
M. Barnes (1959)	9800	Briggs, J.C. &	
Barnes, H. &		F.H. Berry (1959)	9524
E.S. Reese (1959)	9618	Broad, A.C. (1957)	9125
Barnes, M. (1959)	9800	Brodskii, A.K. (1959)	9853
Barnett, G.A. (1958)	9231	Brooks, D.C. (1959)	9734
Bartholomew, G.A. (1959)	9785	Brown, E.E. (1958)	8988

Brown, J.L. (1958)	8961
Bruns, P.M. (1958)	8736
Bryson, R.A. & C.R. Stearns (1959)	9259
Buchholz, M.M. (1957)	8778
Budd, J.C. (1958)	9388
Budker, P. (1958)	9212
Bulkley, R.V. (1957)	8737
Bullock, G.L. (1959)	9712
Bunag, D.M. (1959)	9653
Burdecki, F. (1958)	9374
Burgner, R.L. (1958)	8876
Burkhanov, V.F. (Ed.) (1957)	9139
Burris, R.H. (1959)	9451
Burt, W.V. & L.D. Marriage (1957)	8686
Busnita, Th. & A. Christian (1959)	9811
Busnită, Th. & V. Enăceanu (1958)	9298
Buss, K. (1959)	9395
Butler, J.R. (1959)	8758
Caballero, E.C. & R.R. Brenes M. (1958)	9238
Caballero, E.C., M.C. Zerecero y D. & R.G. Grocott (1958)	9240
Cable, L. (1959)	8738
Cade, T.J. & G.A. Bartholomew (1959)	9785
Cadenat, J. (1959)	9630 9632
Caldwell, D.K. & W.W. Anderson (1959)	9549
California University. Scripps Institution of Oceanography (1959)	9220
Caloianu-Iordăchel, M. (1959)	9814
Cantino, E.C. & G.F. Turian (1959)	9700
Gao-Thien-Buu (1959)	9676
Carnes, W.O., Jr. (1958)	8779
Cartwright, D.E. (1957)	9352
Carvalho, J. de P. (1957)	9574
Carver, Ch.E., Jr. (1958)	9843
Caspers, H. (1958)	9166
Cavanah, H.S. (1959)	8888
Chalid, J.L. (1958)	8731
Chance, B. (1958)	9447
Chapman, D.W. (1957)	8739
Chappuis, P.A. (1959)	9625
Charniax-Cottom, H. (1959)	8925
Cheng-Yi, F. (1959)	9688
Chew, K.K. & R. Eisler (1958)	9227
Chiarini, L. (1958)	9564
Chile, Ministerio de Agricultura. Departamento de Fomento de Pesca y Caza (1959)	9745 9773

Chipman, R.K. (1958)	8858
Chirila, V. (1958)	9295
Christenson, L.M. (1957)	8877
Chur, S.P. (1959)	9717
Clark, J.R. (1959)	9431
Clark, W.J. (1958)	8823
Clemens, H.P. (1959)	9713
Clendenning, K.A. (1957)	9437
Clifton, C.E., S. Raffel & M.P. Starr (Ed.) (1959)	9698
Clothier, W.D. (1959)	9422
Coching, C. (1959)	9689
Cohen, D.M. (1957)	8889
Cole, C.F. (1957)	8890
Collander, R. (1957)	9438
Collins, A.C. (1958)	9274
Collins, R.A. & R.E. Smith (1959)	9548
Conover, N. (1958)	8780
Conover, R.J. (1959)	9261
Constantinescu, E. (1958)	9302
Cooper, E.L. & J.K. Andersen (1959)	9414
Correll, D.L. (1958)	8832
Corson, B.W. (1959)	9718
Costea, E. (1959)	9813
Costlow, J.D., Jr. & C.G. Bookhout (1957)	9122
Craddock, D.R. (1958)	9307
Crafts, A.S., L. Machlis & J.G. Torrey (1958)	9440
Craig, R.E. (1959)	9614
Crance, J.H. (1958)	8750
Cristian, A. (1959)	9811
Crittenden, E. (1959)	9424
Crossman, E.J. (1958)	8878
Crowell, R.M. (1957)	8807
Cummings, K.W. (1957)	8761
Cummins, W.E. (1957)	9353
Curry-Lindahl, K. (1957)	9483
Daget, J. (1959)	9628
D'Ancona, U. (1958)	9171
Daneau, M. (1957)	8748
Dangeard, P. (1959)	9232
Davies, D.H. (1957)	9760
Davies, D.H. (1958)	9759
Davis, C.C. (1959)	9024 9269
Davis, H.C. (1957)	9766
Davis, P.S. (1959)	9329
Davis, W.J. (1958)	8833
Davison, V.E. (1959)	9671
Dawson, C.E. (1958)	9514
Dean, R.G. (1958)	9826
Deboutteville, C. Delamare (1959)	9459
Dechancé, M. & J.-P. Dufaure (1959)	8924



Doelder, C.L. & J.F. de Veen (1958)	9453	Emerson, R. (1958)	9442
Dcharde, W. & K. Hausmann (1957)	9841	Enăceanu, V. (1958)	9298
de Jesus, A. (1959)	9638	Erdman, D.S. (1959)	9809
Dence, W.A. (1958)	8672	Esguerra, R.S. (1959)	9640
de Paiva Carvalho, J. (1957)	9319	Estes, R.D. (1957)	8751
Dergunov, I.D. (1958)	9377	Ettinger, M.B. (1957)	8952
de Rouville, A. (1957)	9378	Evensen, J. (1959)	8916
Deslandes, N. (1957)	8707	Evins, D. (1959)	9783
de Sylva, D.P. (1958)	8781	Eyries, M. (1959)	9857
Deutsches Hydrographisches Institut (1958)	9223	Fage, L. (1959)	9457
de Veen, J.F. (1958)	9453	Fagerlund, U.H.M. & D.R. Idler (1959)	9692
de Zylva, E.R.A. (1959)	9657	Fagg, D.B. (1957)	9131
Dietsch, E.L. (1959)	8782	Farber, L. (1959)	9701
Dinsmore, R.P. (1958)	8665	Feodosie, B. (1958)	9303
Djaingsastro, A. (1959)	9670	Fergusson, G.J. (1957)	8673 9127
Dobie, J. (1959)	9432	Fernandez, P. (1958)	9854
Donn, W.L. (1958)	8670	Ferrando, H.J. (1957)	9573
Dorrestein, R. (1957)	9362	Ferrando, H.J. (1958)	9321
Dotu, Y. (1957)	8962	Fingerman, S.W. (1959)	8891
Doumenge, F. (1958)	9847	Firsoff, G.A. (1957)	9357
Doyle, M.E. (1959)	9786 9787	Fish, G.R. (1959)	9645 9677
Doyle, W.L., R. Rappaport & M.E. Doyle (1959)	9786	Fisher, C.K. (1959)	9780
Dreosti, G.M. & W. Wesemann (1958)	9118	Fogg, G.E. & J.D.A. Miller (1958)	9196
Droop, M.R. (1958)	9170	Folkes, B.F. (1958)	9444
Duckworth, W.E. & J.K. Wyatt (1958)	9499	FAO (1959)	8912 8913 8915
Dufaure, J.-P. (1959)	8924	FAO Fisheries Division. Biology Branch (1959)	9218 9675
Dumitresco, H. (1958)	9167	FAO Mediterranean Development Project (1959)	9045 to 9052
Dunbar, C.E. (1959)	9402 9712	Foster, D.I. (1957)	8802
Dvihally, Z.T. (1958)	9488	Formicone, L. (1958)	9564
Dzieduszycka, S. (1959)	9631	Foster, F.G. (1959)	9504
E.K. (1959)	9501	Fraga, F. (1959)	9803 9808
Eagleson, P.S., R.G. Dean & L.A. Peralta (1958)	9826	France. Service Hydrographique de la Marine (1958)	9519
Eales, N.B. (1959)	9796	Franklin, D.R. (1959)	8784 9408
Eddiwan, (1957)	8718	Fraser, R. (1957)	9135
Eddiwan (1959)	9665	Freeman, B.O. (1959)	9790
Eiseley, L. (1958)	9234	Frolander, H.F. (1957)	9040 9041
Eisler, R. (1957)	8783	Fry, F.E.J. & J.C. Budd (1958)	9388
Eisler, R. (1958)	9227 9228	Fryer, G. (1959)	9616
Eldred, B. (1958)	8697	Fryer, J. (1957)	8871
Elgmork, K. (1958)	9180	Fujii, I. (1958)	9736
Elling, C.H. & H.L. Raymond (1959)	9706	Fujimura, S. (1959)	9643
Elliott, A.M. (1959)	9699	Fujino, K. (1958)	9592
Ellis, C.H. & R.E. Noble (1959)	9735	Fujioka, H. (1958)	9491
Ellis, L.G. (Comp.) (1959)	9623	Fujita, S. (1957)	8963
Ellis, R. (1958)	9761	Fukai, R. (1959)	9649
Elmendorf, C.H. & B.C. Heezen (1957)	9368	Fukai, R. & W.W. Meinke (1959)	9791
Elser, H. (1958)	9216	Fukuoka, J. (1958)	8989
Elser, H.J. & R. Mausueti (1958)	9215	Fukushima, S. (1959)	9609
Elster, H.-J. (1958)	9206	Funk, P. (1958)	9373
El-Zarka, S. (1957)	8879	Gabe, M. & M. Prenant (1957)	8704
		Galligan, J.P. (1959)	9413



Gard, R. (1958)	8768
Garside, E.T. (1957)	8759
Gass, S.I. (1958)	9506
Gauch, H.G. (1957)	9434
George, R.W. (1958)	9104
Gerlach, S.A. (1958) 9251	9257
Gerloff, J. (1958)	9489
Gery, J. (1959)	9778
Gianotti, F.S. (1958) 9562	9565
Gianotti, F.S. (1959)	9561
Gibbs, R.H., Jr. (1959)	9542
Gibson, G.G. (1957)	8785
Gierloff-Emden, H.-G. (1959)	8694
Gieysztor, M., H. Klimowicz & A. Praszkiwicz (1958)	9203
Giganti, A. (1958)	9562
Giganti, A. (1959)	9561
Gold, H.S. (1957)	9119
Goldman, C. (1958)	8808
Gombosiu, V. (1958)	9305
Gordon, B.L. (1958)	8884
Gordon, W.G. (1957)	8786
Gosner, K.L. & D.A. Rossman (1959)	9555
Gosselin, R.G. (1958)	9516
Gould, S. (1959)	9505
Grabbe, E.M., S. Ramo & D.E. Wooldridge (Ed.) (1959)	9508
Green, J. (1959)	9622
Green, W.C. (1957)	9768
Greenwood, M.R. (1959)	9053
Greenwood, P.H. (1959)	9342
Greer, A.J. (1959)	8865
Grey, M. (1959)	9540
Griffe, J. (1958)	9585
Gripp, K. (1958)	9860
Groba, E. (1959)	9821
Grocott, R.G. (1958)	9240
Grøntved, Jul. (1958)	9313
Gross, R.W. (1959)	8787
Guilcher, A. & L. Berthois (1957)	9370
Gunasekera, C.E.St.C. & N.N. Silvea (1959)	9662
Gunston, D. (1959)	9777
Gunter, G. (1958)	9225
Gussey, A.G. (1958)	9149
Gvozdetiskii, L.A. (1957)	9138
Haggquist, G. & G. Hevesy (1958)	9762
Haig, J. (1957) 8700	9113
Halås, M. (1958) 9279 9285	9292
Hale, L.J. (1958)	9797
Haley, A.J. & H.E. Winn (1959)	9404
Hall, M.A. (1958)	9827
Halmø, K. (1958) 9290	9293
Hamada, Y. (1958)	9003

Hamer, P.E. (1959)	8740
Hamilton, J.D. (1958)	9181
Hanaoka, T. (1957)	9358
Hanato, T. (1958)	8983
Hancock, C.D., Jr. & J.E. Sublette (1958)	8964
Handa, C. (1958)	9587
Hansler, D.D. (1958)	8892
Hanssen, G.L. (1958) 9830	9837
Hanzawa, M. (1958)	8676
Hardjohutomo, H. (1959)	9664
Hardy, A., C.E. Lucas & K.M. Rae (1959)	9823
Harnic, J.L. (1958)	8788
Harms, C.E. (1957)	8752
Harner, W.H. (1958)	8880
Harnisch, O. (1958) 9026 to	9034
Harris, B., A. Hauptschein & L.S. Schwarz (1958)	9044
Harrison, A.D. (1958)	9156
Hartmann, G. (1958)	9255
Hartman, G.F. (1959)	9529
Hartman, W.L. (1958)	8789
Hartmann-Schröder, G. (1958)	9256
Hasselmann, K. (1958)	9143
Hastings, J.W. (1959)	9702
Hatano, M. (1958) 9739	9740
Hauptman, A.W. (1958)	8809
Hauptschein, A. (1958)	9044
Hausmann, K. (1957)	9841
Havey, K.A. (1959)	9425
Hayama, K. (1957)	9343
Hayashi, S. (1959)	9648
Hayes, F.R. & M.A. MacAulay (1959)	9264
Hayes, F.R. & E.H. Anthony (1959)	9265
Heard, W.R. (1959)	8893
Hedlin, B., E. Julin & A. Pekari (1957)	9490
Heen, E. (1958)	9311
Heezen, B.C. (1957)	9368
Hela, I. (1958)	8674
Henderson, G.T.D. (1959)	9824
Henderson, J.C. (1958)	8824
Herman, S.S. (1958)	8760
Herring, J.L. (1957)	8958
Hewey, G. (1958)	9762
Hewer, H.R. & K.M. Backhouse (1959)	9621
Hewitt, B.R. (1959)	9704
Hibiya, T. (1958) 9588	9589
Hickman, C.P., Jr. (1959)	9728
Hicks, S.D. (1959)	9266
Hidaka, K. (1958)	9012
Hidalgo Escalante, E. (1958)	9242
Hill, D.R. (1959)	9772

Hill, H.O. & E.W. Paget- Tomlinson (1958?)	9129	Iversen, E.S. & R.B. Manning (1959)	9405
Hirano, T. (1959)	9680	Jackson, D. (1957)	8825
Hirano, T. & C. Boshu (1957)	9375	Jackson, D.F. & W.A. Deuce (1958)	8672
Hirano, T. & K. Sugiura (1958)	9379	Jaffe, L.F. (1958)	9446
Hirao, S. & R. Kikuchi (1958)	9386	James, A.N. (1958)	8926
Hirata, H. (1959)	9637	James, R.W. & G.L. Hanssen (1958)	9837
Hobbs, H.H. & M. Walton (1959)	9467	Jannasch, H.W. (1958)	9202
Hodgkin, E.P. (1957)	8705	Jannasch, H.W. (1959)	9262
Hoese, H.D. (1959)	8810	Jao, C.-C. (1958)	9177
Hoestlandt, H. (1958)	9172	Japan. Association for Agriculture & Forestry (1958)	9105
Hoffman, G.L. (1958)	8928	Japan Meteorological Agency	9022
Hoffman, G.L. (1959)	9398	Japan Meteorological Agency. Oceanographical Section (1957)	9019
Hoffman, G.L. & J.B. Hoyme (1958)	8927	Japan Science Council. National Committee for the IGY (1958)	8667
Hoffman, L. (1958)	9484	Jayaraman, R. & P.D. Nayak (1959)	9658
Holcombe, R.M. (1957)	9004	Jenkins, D.S. (1957)	9850
Holly, K. (1958)	9445	Jenkins, R.M. (1959)	8733
Honma, Y. (1957)	8965 8966	Jensen, J.P. (1958)	9314 9315
Hornuff, L.E., Jr. (1957)	8811	Jensen, K.W. (1958)	9842
Horton, D.B. (1958)	8769	Jentoft, R.E. & R.J. Robinson (1957)	9042
Hoskin, C.M. (1957)	8812	Jeou-Jang, J. & F. Cheng-Yi (1959)	9688
Hosokawa, H. & T. Sekino (1958)	9603	Jepson, P.W. & W.S. Platts (1959)	9426
Houser, A. (1957)	8749	Jhingran, V.G. (1957)	8709
Hovart, P. (1959)	9697	Jhingran, V.G. (1959)	9613
Hoyme, J.B. (1958)	8927	Johnson, A. (1959)	9576
Huet, M. (1958)	9153	Johnson, M.C. & V.E. Davison (1959)	9671
Huet, M. (1959)	9416	Johnson, T.W., Jr. (1957)	9120 9123
Hunn, J.B. (1957)	8834	Johnson, T.W., Jr. & H.S. Gold (1957)	9119
Hunter, W.S. & W.B. Vernberg (1957)	9124	Jönasson, P.M. (1958)	9190
Huston, J.E. (1959)	8835	Jones, G.E. & H.W. Jannasch (1959)	9262
Hutchinson, J.A. (1957)	8836	Jönsson, J. (1957)	9365
Hutt, F.B. (1958)	9722	Joseph, E. (1957)	8894
Hutton, R.F. & B. Eldred (1958)	8697	Jubb, R.A. (1959)	9792
Hynes, H.B.N. (1958)	9187	Juget, J. (1958)	9577
Ichihara, T. (1958)	9591 9596	Juhl-Noodt, H. (1958)	9250
Ichiye, T. (1958)	8685	Juliano, R.O. (1957)	8866
Idler, D.R. (1959)	9692	Julin, E. (1957)	9490
Illies, J. (1958)	9188	Junge, C.E. & R.T. Werby (1958)	8683
Indo-Norwegian Project. Quilon-Cochin, Kerala (1959)	9522	Junge, C.O., Jr. (1959)	9729
IPFC (1959)	9633	Kallman, K.D. (1959)	8859
Inger, R.F. (1958)	9517	Kamiya, T. (1958)	9602
Ingles, L.G. (1958)	9245	Kamohara, T. (1957)	8967
Ingram, W.M. (1957)	8952	Kanna, K. (1959)	9682
ICNAF (1959)	8943 8944	Kapoor, B.G. (1957)	8968
IHB (1959)	9615		
Iribarren Cavanilles, R., Nogales y Olano, C. & P. Fernandez (1958)	9854		
Isaac, P.C.G. (1958)	9160		
Isacchi, S. (1959)	9834		
Ishikawa, K. (1957)	9354		
Istak, A. (1958)	8671		
Iushak, A.A. (1958)	8690		
Ivanoff, A. (1959)	8669		



Karamchandani, S.J. (1957)	8709	Krauss, R.W. (1958)	9443
Karlin, S. (1958)	9502	Krauss, W. (1958)	9142 9246
Karo, H.A. (1957)	8999	Kristjonsson, H. (1959)	9651
Karohji, K. (1959)	9604	Kröplin, K.F. (1958)	8993
Kartono, R.A. (1959)	9655	Kuchar, K.W. (1958)	8951
Katayama, M. (1957)	8969 8970	Kühl, H. (1957)	9344 9345
Katayama, T. (1957)	9481	Kuenen, Ph.H. (1958)	9859
Kato, H., S. Motora & K. Ishikawa (1957)	9354	Kumar, A.K. Gopi (1958)	8753
Kato, T. (1958)	8679	Kurasawa, H. (1957)	9486
Katz, M., A. Pritchard & C.E. Warren (1959)	9397	Kurihara, Y. (1958)	9764
Kawada, S. & C. Yoshimuta (1959)	9681	Kuroda, N. (1957)	8974
Kawamoto, N.Y., S. Fujimura & M. Tanizaki (1959)	9643	Kuronuma, K. & K. Nakamura (1959)	9636
Kawanabe, H. (1957)	9485	Kusunoki, K. (1958)	8675
Kawanabe, Y. (1958)	9014	Lacaze, J. (1959)	9858
Kay, E. (1959)	9507 9510	Ladd, E.C. (1958)	8896
Keefe, A.M. (1959)	9771	LaFaunce, D.A. (1959)	9781
Kelly, P.B. (1958)	8867	Lagerspetz, K. (1958)	9169
Kendle, E.R. (1958)	8813	Lambou, V.W. (1959)	9724
Kennedy, R.H. (1959)	8910 8914	Lamotte, M., J.-L. Perret & S. Dzieduszycka (1959)	9631
Kenya. Colony & Protectorate (1958)	9110	Lander, R.H. (1959)	9705 9708
Kersten, W. (1958)	9015	Lang, N.J. (1958)	8826
Keup, L.E. (1958)	8837	Larras, J. (1957)	9369
Kikuchi, R. (1958)	9386	Larsen, N. (1957)	9831
Kimura, S. (1959)	9672	Lasater, R. (1957)	9768
Kirsch, M. (1958)	9855	Lauff, G.H. (1959)	9270
Klavano, W.C. (1958)	8741	Laurent, P.J. (1958)	9154
Klimowicz, H. (1958)	9203	Laws, R.M. (1959)	9746
Knapp, L.W. (1958)	8895	Leamy, M.L. (1958)	9696
Knudsen, J.W. (1957)	8701	Lebedev, V.L. (1957)	9140 9229 9230
Kobayashi, S. & H. Hirata (1959)	9637	Le Cren, E.D. (1958)	9175
Kobayasi, H. (1957)	8971	Le Danois, Y. (1959)	9629
Kobayasi, H. & S. Moriyana (1957)	8973	Leedy, D.J. (1957)	8838
Kobayasi, H. & I. Yamabayashi (1957)	8972	Lefèvre, M. (1958)	9582
Kobe. Marine Observatory (1957)	8996 9023	Leffler, R.L. (1959)	9779
Kobe. Marine Observatory (1958)	8995 9009	Leitão de Carvalho, A. (1959)	9527
Kolb, O. (1957)	9348	Leivestad, H. (1959)	9276
Korn, H. (1958)	9252	Lejuez, R. (1959)	9460
Korvin, B.V., Krokuovsky (1957)	9355	Lennon, R.E. & P.S. Parker (1959)	9709
Koshow, M.M. (1958)	9183	Lenoble, J. & S. Isacchi (1959)	9834
Koshtoyants, C.S. & J. Salanki (1958)	9470	Leonte, V. (1959)	9812
Kosol, S., et al. (1959)	9663	LesVeaux, J.F. (1959)	9710
Koto, H. & T. Fujii (1958)	9736	Lieder, U. (1958)	9182
Kowalski, R. (1958)	9247	Liepolt, R. (1958)	9145
Koyama, T. (1958)	9383	Linsey, C.C. (1958)	9219
Kramer, R.H. (1959)	9408	Liscom, K.L. (1959)	9705
		Lisitzin, E. (1958)	8678
		Lisitzin, E. (1959)	9856
		Littlejohn, M.J. & A.R. Main (1959)	9556
		Ljøen, R. (1958)	9278 9280
		Lodge, M. & P.C.G. Isaac (1958)	9160
		Long, C.W. (1959)	9707
		Lorant, M. (1959)	9475
		Louchet, Cl. (1957)	9306

Lowman, F.G. (1958)	9756	Mascarenhas, D.A. (1958)	9851
Lozano Cabo, F. (1959) 9520	9521	Masson, P.A.A.H. (1958)	9366
Lucas, C.E. (1959)	9823	Massuti, M. (1959) 9804	9805
Ludzack, F.J., W.M. Ingram & M.B. Ettinger (1957)	8952	Mather, F.J., III (1959)	9078
Lueck, B.F. (1957)	8953	Matida, Y., S. Kimura & M. Tamakawa (1959)	9672
Luscan, S. (1958)	9391	Matsumoto, J.J. (1959)	9683
Lux, F.E. (1958)	8839	Maturo, F.J.S., Jr. (1957)	9121
Lux, F.E. (1959)	9550	Mauchline, J. (1959)	9620
MacAulay, M.A. (1959)	9264	Mauritius. Fishery Branch (1958)	9109
MacDonald, R. (1957)	8702	Maxfield, G.H., K.L. Liscom & R.H. Lander (1959)	9705
MacGregor, J.S. (1957)	9374	McCain, J. (1958)	8791
Machlis, L. (1958)	9140	McCleary, R.A. & J.J. Bernstein (1959)	9789
Machlis L. & J.G. Torrey (1959)	9118	McCombie, A.M. (1959)	9260
MacIntyre, R.J. (1959)	9333	McConnell, W.J. (1958)	8814
Mackereth, F.J.H. (1958)	9101	McConnell, W.J. & W.F. Sigler (1959)	9268
Maeda, T. (1959)	9605	McCready, C.C. (1958)	9445
Märki-Bleiker, E. (1958)	9308	McCrimmon, H.R. (1958)	9387
Maginsky, R.B. (1958)	8897	McFadden, J.T. (1959)	9421
Magnuson, J.J. (1958)	8190	McFarland, W.N. (1959)	8851
Mahadevan, P.R. (1959)	9087	McGowan, J.A. (1957)	9456
Main, A.R. (1959)	9556	McGowan, J.A. (1958)	9455
Mairs, D.F. (1959)	9141	McHugh, J.L. (1959)	9400
Makushok, V.M. (1958)	9557	McKenney, T.W. (1958)	8792
Mălăcea, I. (1959)	9744	McKernan, D.L. (1959)	9420
Malay & Singapore Federation Fisheries Department (1959)	9068	McKinley, W.R., D.C. Brooks & R.E. Westley (1959)	9734
Manabe, S. (1957)	9010	McLean, R.C. (1959)	9798
Mangerel, P. (1958)	9195	McMynn, R.G. (1958)	9392
Manguin, E. (1958)	9194	McNaught, D.C. (1957)	8762
Mann, H. (1959)	9652	McPherson, J.H. (1957)	8706
Manning, R.B. (1958)	8980	Medcof, J.C. (1958)	9690
Manning, R.B. (1959)	9105	Meehan, W.R. (1958)	8885
Manohar, M. (1958)	9852	Meinke, W.W. (1959)	9791
Mansueti, R. (1957)	9217	Meiser, A.L. (1958)	8793
Mansueti, R. (1958) 9214	9215	Melchior, P.J. (1958)	9005
Mansueti, R. & H. Elser (1958)	9216	Menasveta, D. (1958)	8881
Mansueti, R. & G. Murphy (1958)	9213	Menon, A.G.K. (1958)	8975
Marak, R.R. (1959)	9546	Menon, M.A.S. (1958)	8976
Marchal, E. (1959)	9027	Menzel, D.W. (1957)	8763
Marckmann, K. (1958)	9317	Menzel, D.W. (1959)	9525
Marcus, E. (1957)	9566	Menzies, R.J. (1958)	9471
Marcus, E. & E. Marcus (1957)	9566	Mortens, R. (1958)	9235
Marland, F. (1958)	8803	Mertins, H.O. (1958)	9008
Marriage, L.D. (1957)	8686	Messersmith, J.B. (1958)	8764
Marshall, A.J. & J.D. Roberts (1959)	9619	Messtorff, J. & R. Steinberg (1958)	9349
Marshall, T., R.P. Suggate & D.S. Nicholson (1958)	9836	Meyer, F.P. (1957)	8754
Martínez-Hidalgo y Terán, J.M. (Ed.) (1957) 8946	8945	Meyer, H. (1958)	9249
Martínez-Hidalgo y Terán, J.M. (Ed.) (1958)	8947	Miesner, E. (1958)	9849
to	8950	Miller, D. (1959)	9532
Maruyama, E. (1957)	9043	Miller, D. & R.R. Marak (1959)	9546
		Miller, J.D.A. (1958)	9196



Miller, R.J. (1958)	8898	Murphy, G. (1958)	9213
Milner, G.W.C. & G.A. Barnet (1958)	9231	Murray, A.R. (1958)	9890
Mirică, Gh. (1958)	9297	Muzirin As. (1957)	8714
Mito, S. (1957)	8977	Myers, G.S. (1959)	9530
Mitra, G.N. (1959)	9666 9673	Myers, G.S. & A. Leitão de Carvalho (1959)	9527
Moeljono, (1957)	8719	Myreberg, A.A., Jr. (1958)	8853
Moen, T. (1959)	9412	Naegelé, A. (1959)	9624
Moffett, A.W. (1957)	8899	Nagabhushanam, A.K. (1959)	9793
Moore, P.G. (1959)	9498	Nagasaki. Marine Observatory Oceanographical Sections (1957)	9020
Morawa, F.W.F. (1958)	9178	Nagasawa, Y. (1958)	9742
Moretti, G. (1958)	9560	Naguib, M. (1958)	9253
Moretti, G., L. Formicone & L. Chiarini (1958)	9564	Nair, N. Balakrishnan & H. Leivestad (1959)	9276
Moretti, G., F.S. Gianotti & A. Giganti (1958)	9562	Nakamura, H. (1959)	9636
Moretti, G., F.S. Gianotti & A. Giganti (1959)	9561	Nakamura, T. & H. Fujioka (1958)	9491
Moretti, G., F.S. Gianotti & C. Rossi (1958)	9565	Nakano, M. & T. Abe (1958)	8992
Morgan, G.D. (1958)	9580	Nakayama, I. (1958)	9016
Moriyana, S. (1957)	8973	Nasu, K. (1958)	9595 9598
Morrow, J.E. & G.S. Posner (1957)	9511	Nayak, P.D. (1959)	9658
Morse, R.M. (1958)	8666	Neave, F. (1957)	9116
Mortimer, G.H. & F.J.H. Mackereth (1958)	9201	Neill, J.H. (1957)	8872
Moskalenko, B.K. (1957)	9136	Nelson, D.J. (1958)	8804
Mossewitsch, N.A. & A.G. Gussew (1958)	9149	Nelson, E.M. (1959)	9528
Motohiro, T., S. Fukushima & E. Tanikawa (1959)	9609	Nemoto, T. (1958)	9594
Motora, S. (1957)	9354	Nemoto, T. & K. Nasu (1958)	9595
Motwani, M.P., V.G. Jhingran & S.J. Karamchandani (1957)	8709	Nenchi, M. (1957)	9367
Mount, D.I. (1957)	8794	Neth, P.C. (1959)	8840
Mount, D.I. (1959)	9544	Neuhold, J.M. (1958)	8868
Mousinho Figueiredo, J. (1957)	9767	Nichols, A.G. (1957)	9035
Mountford, C.P. (1958)	9025	Nichols, P.R. (1958)	9309
Moyle, J.B. (1959)	9410 9430	Nicholson, D.S. (1958)	9836
Moyle, J.B. & W.D. Clothier (1959)	9422	Nicolau, A. (1958)	9304
Müller, G. (1958)	9862	Nicolau, A. & S. Luscan (1958)	9301
Müller, K. (1958)	9150	Nisbet, M. (1958)	9579 9582
Müller, W. (1958)	9173	Nisbet, M., G. Petit & D. Schachter (1958)	9163
Müller-Melchers, F.C. (1957)	9568	Nishikori, K. (1957)	9367
Muench, B. (1957)	8852	Nishiwaki, M. (1958)	9588
Mukai, M. (1958)	8681	Nishiwaki, M. & C. Handa (1958)	9587
Mullan, J.W. (1959)	9715	Nishiwaki, M., T. Hibiya & S.K. Ohsumi (1958)	9589
Muncy, R.J. (1957)	8795	Nishiwaki, M., T. Ichihara & S.K. Osumi (1958)	9591
Munz, F.W. (1957)	8860	Noble, R.E. (1959)	9735
Murata, K. et al. (1959)	9607	Nogales y Olano, C. (1958)	9854
Murawski, W.S. (1958)	8900	Noodt, W. (1958)	9254
Muromtsev, A.M. (1958)	8692	Nord, R.C. (1959)	9429
		Norman, M.B. (1957)	8827
		Norris, R.E. (1959)	9794
		Korthcote, T.G. & G.F. Hartman (1959)	9529
		Norway. Fiskeridirektøren (1957)	9237
		Norway. Fiskeridirektøren (1958)	9312

Nota, D.J.G. (1958)	9864	Pinto, S.Y. (1957)	8710
Nusser, F. (1958)	9141	Piper, R.G. & K. Wolf (1959)	9719
Ochi, K. & Y. Akita (1957)	9361	Pircălbăciu, S. (1959)	9818
Oetomo, S. (1957)	8720	Plagnat, F. & M. Nisbet (1958)	9579
Oetomo, S. (1958)	8732	Planas, A. (1959)	9802
Oguro, M. (1959)	9608	Platts, W.S. (1958)	8796
Ohsumi, S.K. (1958)	9589	Platts, W.S. (1959)	9426
	9597	Plessis, Y. (1958)	9465 9472
Ohsumi, S.K., M. Nishiwaki & T. Hibiya (1958)	9588	Flosila, D. (1958)	8842
Oi, M. (1958)	8693	Pollard, J.K. (1957)	9435
Oishi, K. (1958)	9737 9738	Pope, E.C. (1958)	8957
Oishi, K. et al. (1959)	9606	Popescu, E. (1959)	9816
Olsen, S. (1958)	9200	Posner, G.S. (1957)	9511
Omura, H. (1958)	9586 9599	Postgate, J. (1959)	9703
Onoue, M., K. Nishikori & M. Nenohi (1957)	9367	Powell, B.W. (1958)	9846
Oregon. Fish Commission (1958)	9515	Prasad, R.R. (1958)	8978
Orr, O.E. (1958)	8886	Pratt, D.M. & H. Berkson (1959)	9267
Osterhout, W.J.V. (1957)	9433	Praszkiewicz, A. (1958)	9203
Otsu, T. & R.N. Uchida (1959)	9647	Prenant, M. (1957)	8704
Overbeck, J. (1958)	9197	Pritchard, A. (1959)	9397
Pacheco, A.L. (1957)	8742	Proctor, C.M. (1958)	8849
Paetz, M.J. (1957)	8841	Proskie, J. & R.G. Gosselin (1958)	9516
Paget-Tomlinson, E.W. (1958?)	9122	Pruginin, Y. (1959)	9208
Paiva, M.P. (1957)	9569	Pruter, A.T. (1959)	9731
Palmén, E. (1958)	9186	Quennerstedt, N. (1958)	9198
Pantín, H.M. (1957)	9126	Quinn, B.G. (1958)	8873
Papi, F. (1957)	9462	Rabanal, H.P. (1959)	9640
Paquette, R.G. & H. F. Frolander (1957)	9040	Rabe, F.W. (1957)	8882
Paraense, W.L. & N. Deslandes (1957)	8707	Rădulescu, I. & N. Vasiliu-Sucveanu (1959)	9819
Parke, M. (1959)	8821	Rae, K.M. (1959)	9823
Parker, P.S. (1959)	9709	Raffel, S. (1959)	9698
Parsons, J.W. (1959)	9407	Rafter, R.A. & C.J. Fergusson (1957)	8673
Parsons, J.W. & E. Crittenden (1959)	9424	Rakjat, L.M. (1959)	9661
Patil, A.M. (1958)	8959	Ramo, S. (1959)	9508
Pavletić, Z. (1957)	9487	Rand, H.C. (1957)	8954
Pax, F. (1957)	9464	Rand, R.W. (1959)	9611
Pekkari, A. (1957)	9490	Randall, J.F. (1958)	8901
Pena, M. (1958)	8729	Rao, C.P. (1958)	9002
Peralta, L.A. (1958)	9826	Rappaport, R. (1959)	9786
Perret, J.-L. (1959)	9631	Rapson, A.M. (1959)	9646
Pershin, V.I. & A.I. Voznessensky (1957)	9359	Rasquin, P. (1958)	9518
Petersen, G.H. (1958)	9318	Raymond, H.L. (1959)	9706
Petit, G. (1958)	9163	Rees, W.H. (1959)	9533
Phelps, D.K. (1958)	8815	Reese, E.S. (1959)	9730
Phillips, A.M., Jr. (1959)	9406	Rehder, D.D. (1959)	9618
Pierson, W.J. (1957)	9356	Reiner, J. (1959)	8797
Pike, R.B. & D.I. Williamson (1959)	9617	Reinhard, E.G. & P.G. Reischman (1958)	9452
Pillay, T.V.R. & B. Bose (1959)	9674	Reinhold, D. (1959)	8703
		Reischman, P.G. (1958)	9776
		Renfro, W.C. (1958)	8703
			8770



Rennerfelt, J.G.V. (1958)	9151	Sasa, S. (1959)	9610
Rice, T.R. & V.M. Willis		Satow, T. (1957)	9343
(1959)	9263	Savoy, D. (1957)	8822
Richards, F.J. (1959)	9575	Sawada, T. (1958)	8684 9017
Rioja, E. (1958)	9243	Sawyer, P.J. (1959)	9552
Rivière, A. &		Scarf, H. (1958)	9502
S. Vernhet (1959)	8923	Scattergood, L.W., C.J.	
Roberts, J.D. (1959)	9619	Sindermann & B.E. Skud (1959)	9419
Robertson, R. (1957)	8708	Schachter, D. (1958)	9163 9164
Robertson, W.V. (1959)	8861	Schaefer, M.B. (1959)	9399
Robins, C.R. &		Schaefer, R.H. (1959)	8743
R.B. Manning (1958)	8980	Schellenberger, G. (1959)	9822
Robinson, R.J. (1957)	9042	Schlieper, C. (1958)	9168
Rockwell, J., Jr. &		Schlieper, C. &	
S.P. Chur (1959)	9717	R. Kowalski (1958)	9247
Rodewald, M. (1958)	9018	Schmitz, W. (1958)	9205
Rodica, L. et al. (1958)	9300	Schmulbach, J.C. (1957)	8798
Rodríguez-Roda, J. (1959)	9807	Schoeneman, D.E. (1959)	9727
Roessingh, M. (1958)	9476	Schoumacher, R. (1959)	8843
Rofen, R.R. (1959)	9543	Schröder, T. (1958)	9146
Rokstad, G. (1958)	9277 9282	Schuh, R. (1958)	9845
Romania. Ministerul Industriei		Schulze, E. (1958)	9159
Bunurilor de Consum.		Schutte, C.H.J. &	
Departamentul Industriei		J.A. van Eeden (1959)	9341
Alimentare (1958)	9294	Schwartz, F.J. (1959)	9547
Romania. Ministerul Industriei		Schwenke, H. (1958)	9248
Bunurilor de Consum.		Schytt, V. (1957)	9137
Departamentul Industriei		Sciacchitano, A. (1957)	9364
Alimentare (1959)	9743	Scott, D.M. (1959)	9693
Ronquillo, I.A. &		Scottish Home Department	
A. de Jesus (1959)	9638	(1958?)	8994
Ronquillo, I.A., E. Villamater		Segerstråle, S.G. (1958)	9162 9185
& H. Angeles (1959)	9639	Seibold, E. (1958)	9861
Rosen, D.E. (1959)	8902	Seidel, K. (1957)	9036 9037
Rosenberg, J.L. (1957)	9436		9038
Rossi, C. (1958)	9565	Seidel, K. (1958)	9199
Rossman, D.A. (1956)	9555	Seilkopf, H. (1959)	8677
Rotschild, B.J. (1959)	8771	Seki, Y. (1958)	9601
Rotthauwe, H.W. (1958)	9376	Sekino, T. (1958)	9603
Rowen, A.N. (1958)	9117	Serene, R., Tran Van Duc &	
Rudakov, N.P. (1957)	8695	N. Van Luom (1958)	9236
Ruggles, P.C. (1959)	8816 9423	Sergeant, D.E. (1958)	9691
Rusnak, G.A. (1957)	9828	Serpoianu, Gh. &	
Ryhänen, R. (1958)	9155	V. Chirilă (1958)	9295
Ryther, J.H., C.S. Yentsch &		Seymour, A.H. et al. (1957)	9758
G.H. Lauff (1959)	9270	Sezen, T. (1959)	9750
Sachlan, M. (1957)	8716	Shekhanova, I.A. (1957)	8696
Saetersdal, G. (1958)	9289	Shenton, E.H. (1957)	9132
Sagara, J. (1958)	9381	Shepard, F.P. (1958)	9863
Sager, G. (1957)	9347 9350	Shibata, T. (1958)	9741
Salam, (1959)	9656	Shiino, S.M. (1957)	9468
Salanki, J. (1958)	9470	Shiino, S.M. (1958)	9469
Salyer, J.T. (1959)	8883	Shimozaki, Y. (1959)	9682
Sanusi, R. (1958)	8726	Shiroma, K. (1958)	8680
Sapporo. Meteorological		Shliamin, B.A. (1957)	9134
Observatory (1958)	9006 9021	Sigler, W.F. (1959)	9268
Sarajini, K.K. (1959)	9644	Silas, E.G. (1958)	8981

Silfversparre, W. (1958)	9148
Silvea, N.N. (1959)	9662
Sindermann, C.J. (1959)	9419
Sindermann, C.J. & D.F. Mairs (1959)	9541
Sjabri, S. (1957)	8713
Skerman, T.M. (1957)	8691
Skud, B.E. (1959)	9419
Sládeček, V. (1958)	9157
Slanina, K. (1958)	9191
Small, L.F. (1959)	8828
Smart, E.W. (1958)	8805
Smith, J.L.B. (1959)	9810
Smith, L. & B. Chance (1958)	9447
Smith, L.L., Jr., D.R. Franklin & R.H. Kramer (1959)	9408
Smith, R.E. (1959)	9548
Sneed, K.E. & H.P. Clemens (1959)	9713
Snieszko, S.F. (1959)	9723
Snieszko, S.F., C.E. Dunbar & G.L. Bullock (1959)	9712
Soedibjo, Sj. (1957)	8717
Soekirna, N. (1958)	8728
Soesanto, V. (1958)	8727
Soeseno, B.S. (1959)	9642
Sommet, J. (1957)	9360
Soule, F.M. & R.M. Morse (1958)	8666
South Australia. Department of Fisheries & Game (1958)	9111
Spadea, M.C. (1958)	8682
Sparks, A.K. (1957)	8755
Sparks, A.K. (1958)	8956 9129
Speare, E.P. (1958)	8799
Specht, R.L. & C.P. Mountford (Ed.) (1958)	9025
Spencer, R.S. (1959)	9326
Spindler, C.C. (1959)	9415
Sprague, J. (1958)	8744
Springer, V.G. (1957)	8903
Springer, V.G. (1959)	8537
Srámek-Hušek, R. (1958)	9161
Sroufe, S.A., Jr. (1959)	9463
Starr, M.P. (1959)	9698
Stearns, C.R. (1959)	9259
Steele, R.E. (1959)	9054
Stegman, J.E. (1957)	8904
Steinberg, R. (1958)	9349
Steinitz, H. (1959)	9531
Stella, E. (1958)	9189
Stevenson, R.A., Jr. (1958)	8800
Steward, F.C. & J.K. Pollard (1957)	9435
Stewart, L. (1959)	9720
Størkersen, P. (1958)	9283

Strahan, R. (1959)	9536
Strasburg, D.W. (1959)	9545
Strickland, J.D.H. (1958)	9221
	9222
Stringer, G.E. & R.G. McMynn (1958)	9392
Stross, R.C. (1958)	8844
Stundl, K. (1958)	9147
Suzu, P. (1959)	9802
Sublette, J.E. (1958)	8964
Suggate, R.P. (1958)	9836
Sugiura, J. (1958)	8990
Sugiura, K. (1958)	9379
Sukirna, N. (1958)	8723
Sulit, J.I. et al. (1959)	9659
Sulit, J.I., R.S. Esguerra & H.P. Rabanal	9640
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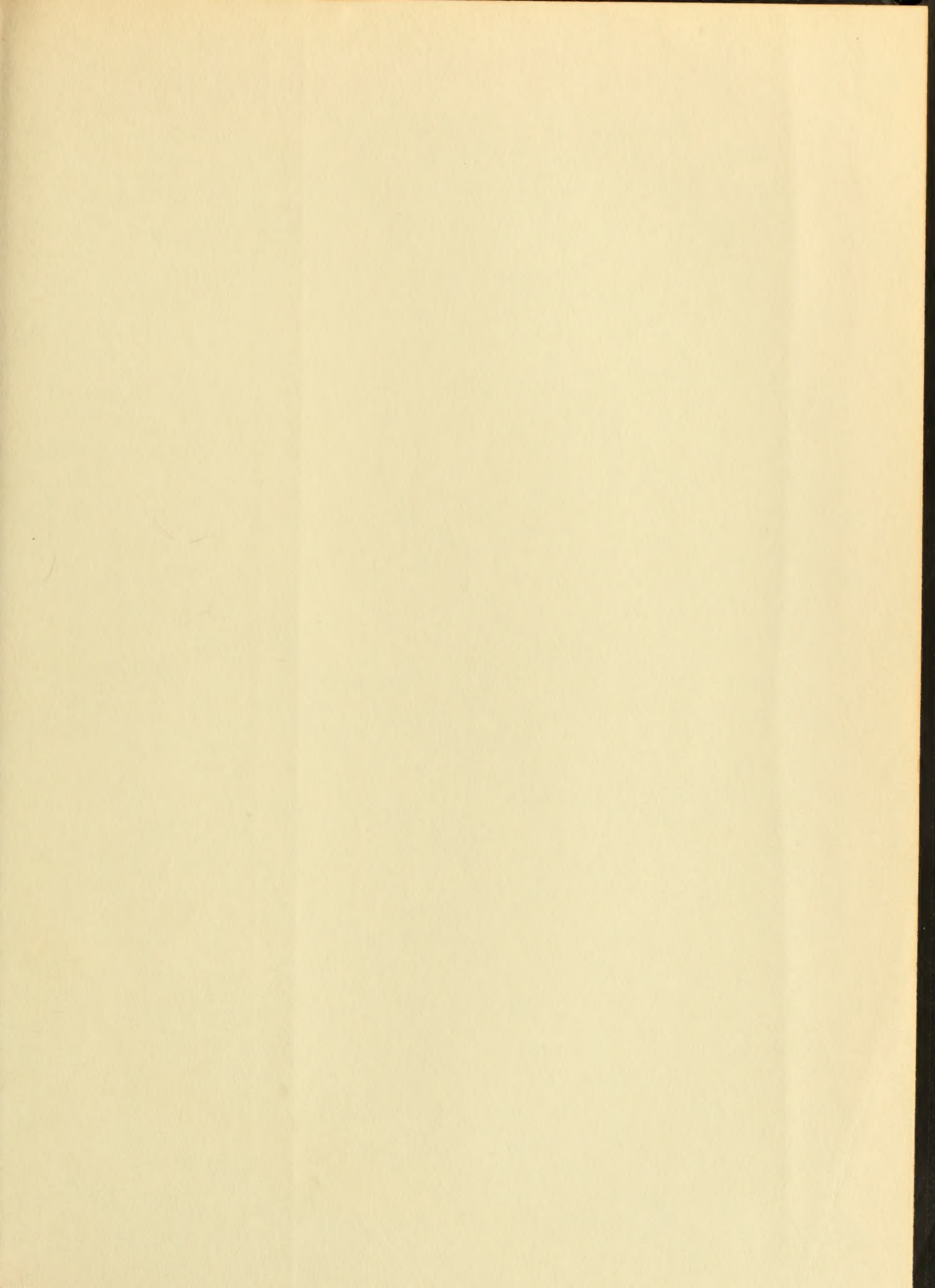
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